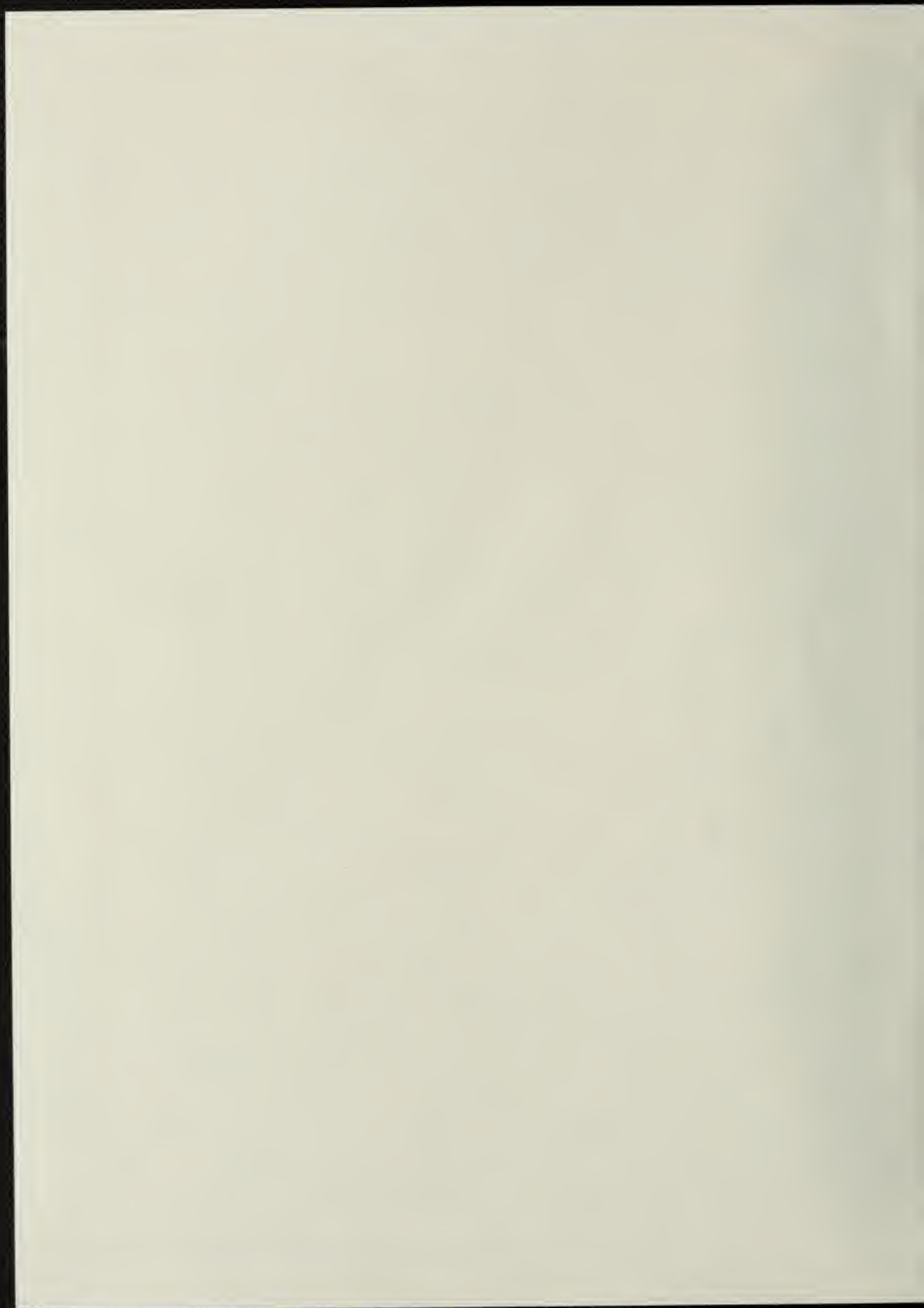
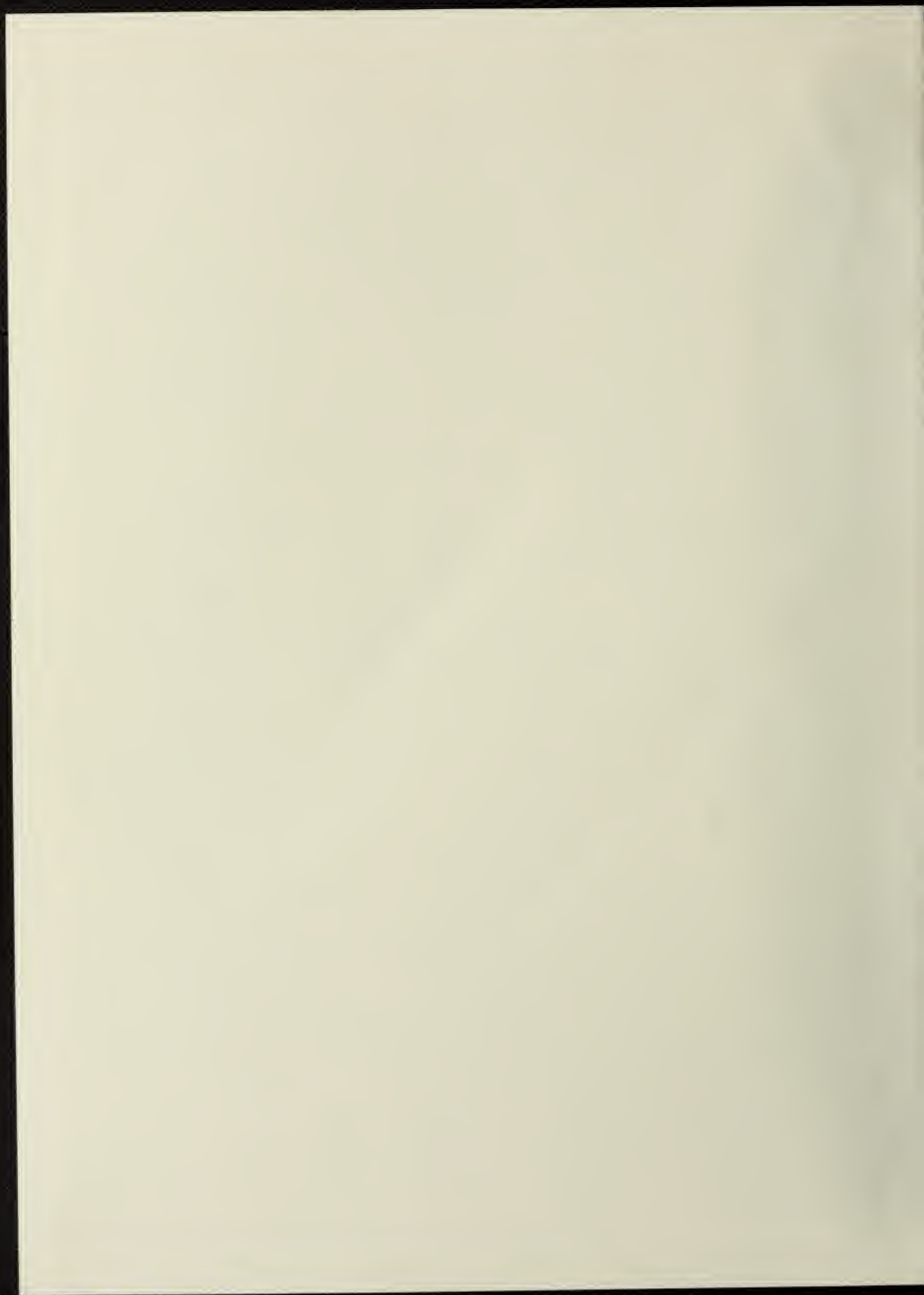


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Petroleum Supply Monthly



July 1984

Published:
September 1984

Energy Information Administration
Washington, D.C.



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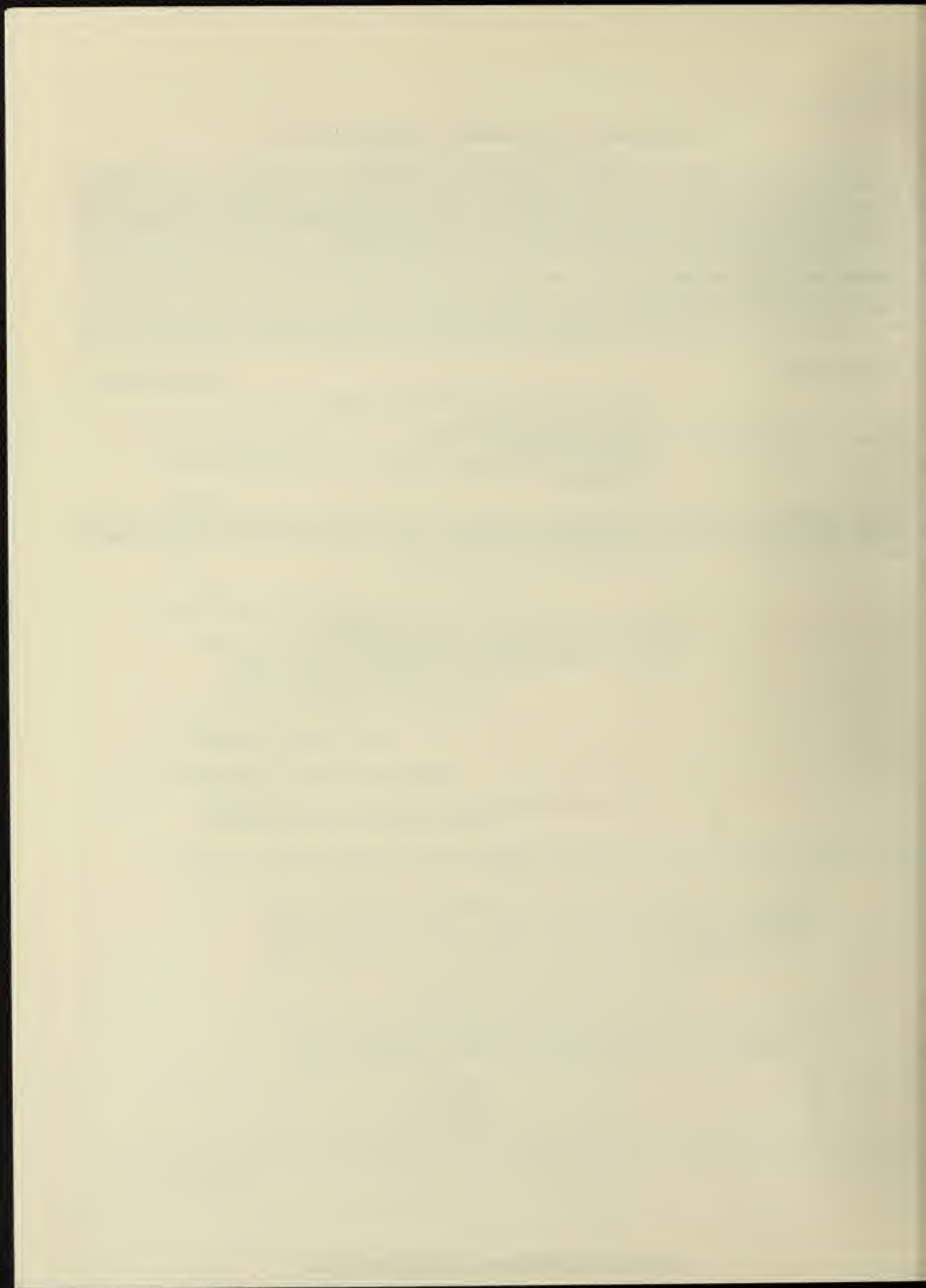
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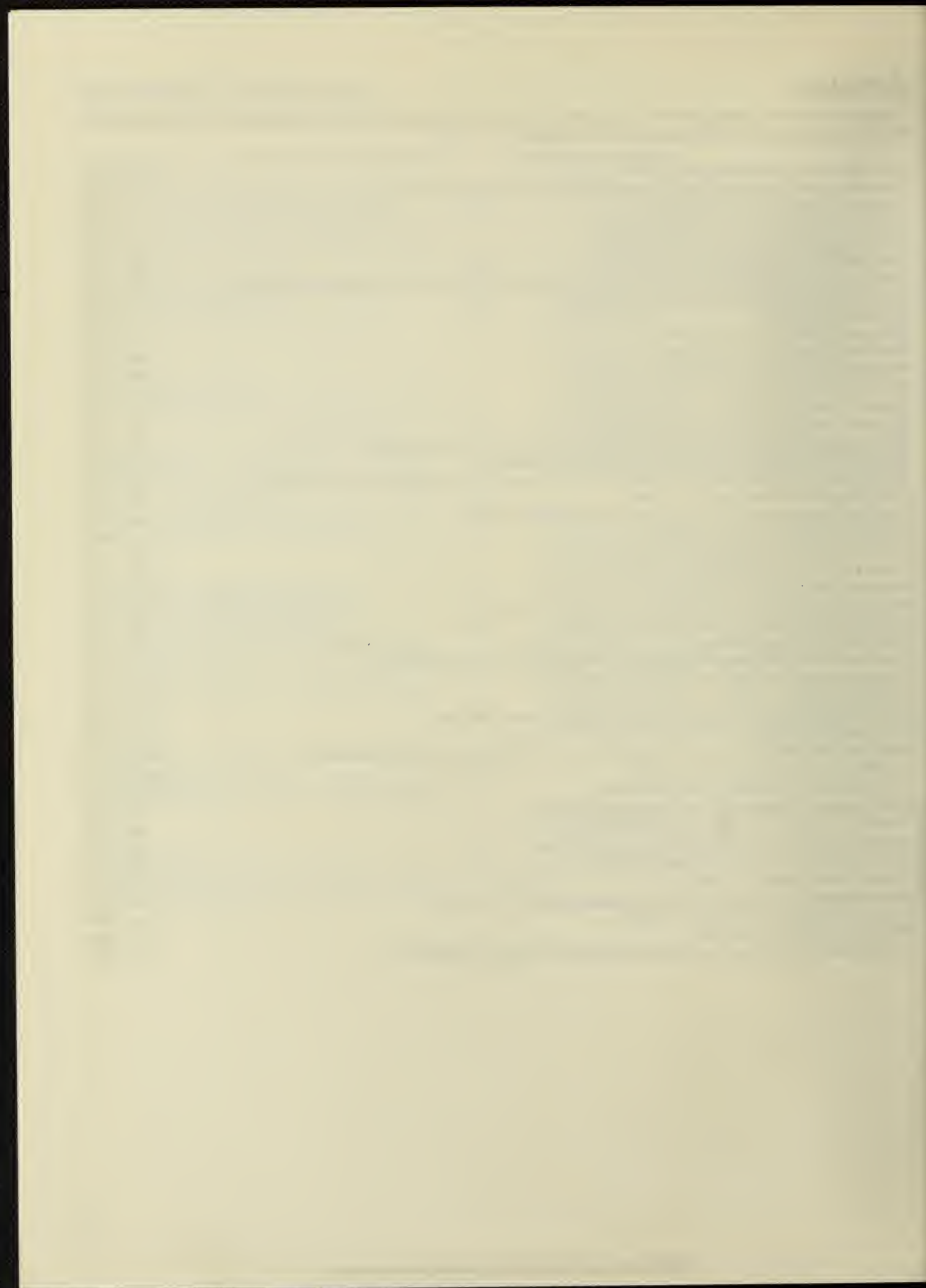
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Petroleum Focus





Petroleum Supply Summary

| Average Volume for Period (Million Barrels Per Day) | August | | | Cumulative January Through August | | |
|---|--------|-------|-------------|--------------------------------------|------|-------------|
| | 1984 | 1983 | % Change | 1984 | 1983 | % Change |
| Products Supplied | | | | | | |
| Motor Gasoline | 6.9 | 6.9 | 0.2 | 6.7 | 6.6 | 1.5 |
| Distillate Fuel Oil | 2.6 | 2.5 | 3.4 | 2.9 | 2.6 | 10.6 |
| Residual Fuel Oil | 1.2 | 1.4 | - 14.2 | 1.4 | 1.4 | 0.2 |
| Other Products | 4.9 | 4.6 | 5.7 | 4.8 | 4.4 | 8.6 |
| Total | 15.6 | 15.5 | 1.0 | 15.8 | 15.0 | 5.0 |
| Crude Inputs to Refineries | 12.5 | 12.2 | 2.8 | 12.1 | 11.6 | 4.1 |
| Production | | | | | | |
| Crude Oil, Natural Gas Liquids, and Other ¹ | 10.5 | 10.3 | 2.1 | 10.4 | 10.3 | 1.1 |
| Imports | | | | | | |
| Crude Oil ² | 3.1 | 3.9 | - 20.3 | 3.2 | 3.0 | 6.9 |
| SPR | 0.2 | 0.4 | - 43.4 | 0.2 | 0.2 | - 12.8 |
| Products | 1.5 | 1.9 | - 22.1 | 2.0 | 1.7 | 19.3 |
| Total | 4.8 | 6.2 | - 22.1 | 5.4 | 4.9 | 10.1 |
| Exports | | | | | | |
| Crude Oil | 0.1 | 0.2 | - 37.2 | 0.2 | 0.2 | 1.7 |
| Products | 0.4 | 0.5 | - 12.6 | 0.5 | 0.6 | - 19.7 |
| Total | 0.5 | 0.7 | - 19.2 | 0.7 | 0.8 | - 15.0 |
| Stock Withdrawal | | | | | | |
| Crude Oil ² | 0.3 | - 0.4 | — | (s) | (s) | — |
| Products | - 0.1 | - 0.3 | — | - 0.1 | 0.2 | — |
| Stocks at End of Period (Million Barrels) | | | | | | |
| Crude Oil | | | | | | |
| SPR | 429 | 352 | 22.1 | | | |
| Other | 343 | 349 | - 1.7 | | | |
| Total | 772 | 700 | 10.3 | | | |
| Products | | | | | | |
| Motor Gasoline ³ | 228 | 226 | 0.6 | | | |
| Distillate Fuel Oil | 136 | 142 | - 4.5 | | | |
| Residual Fuel Oil | 43 | 48 | - 10.4 | | | |
| Other | 332 | 342 | - 3.0 | | | |
| Total | 739 | 759 | - 2.7 | | | |
| Total Crude Oil and Products | 1,511 | 1,460 | 3.5 | | | |

1 Includes alcohol and other hydrocarbon liquids.

2 Excludes Strategic Petroleum Reserve (SPR).

3 Including blending components.

(s) = Less than 0.05 million barrels per day.

NOTE: Percent changes are based on unrounded values. August 1984 data are estimates based on weekly data, except for exports, NGL production, other hydrocarbons, and alcohol which are July 1984 monthly values. Totals may not be equal to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Monthly*, July 1984.

Winter 1984-1985 Distillate Fuel Oil Outlook

Distillate fuel oil demand during winter (October through March) 1984-1985 is expected to be 3.0 million barrels per day, slightly less than winter 1983-1984 demand.¹ Demand for diesel fuel oil should be strong because of the continued strength in the economy but, assuming a return of normal weather, demand for heating oil should be weaker. Nationally, supply problems are not anticipated because crude oil supplies are ample (despite Persian Gulf hostilities) and the capability to increase refinery production exists. Refinery production is expected to be about 4 percent below last winter's level, while imports and distillate inventory withdrawal are expected to be about the same magnitudes as in winter 1983-1984. According to the Energy Information Administration's *Short-Term Energy Outlook*, demand in fourth quarter 1984 and first quarter 1985 should be about equal, 2.9 and 3.0 million barrels per day respectively (see Figure 1).

Forecast variables and assumptions that affect the expected level of demand include economic activity, refiner acquisition cost of crude oil, distillate prices, and the weather. For the winter months, the *Outlook* assumes normal weather, crude oil prices about \$28.74 per barrel, residential heating oil prices about \$1.10 per gallon, and continued economic growth. Because the *Outlook* assumes normal weather, a normal level of consumer demand for heating oil is expected. For each 10-percent increase in the number of heating degree

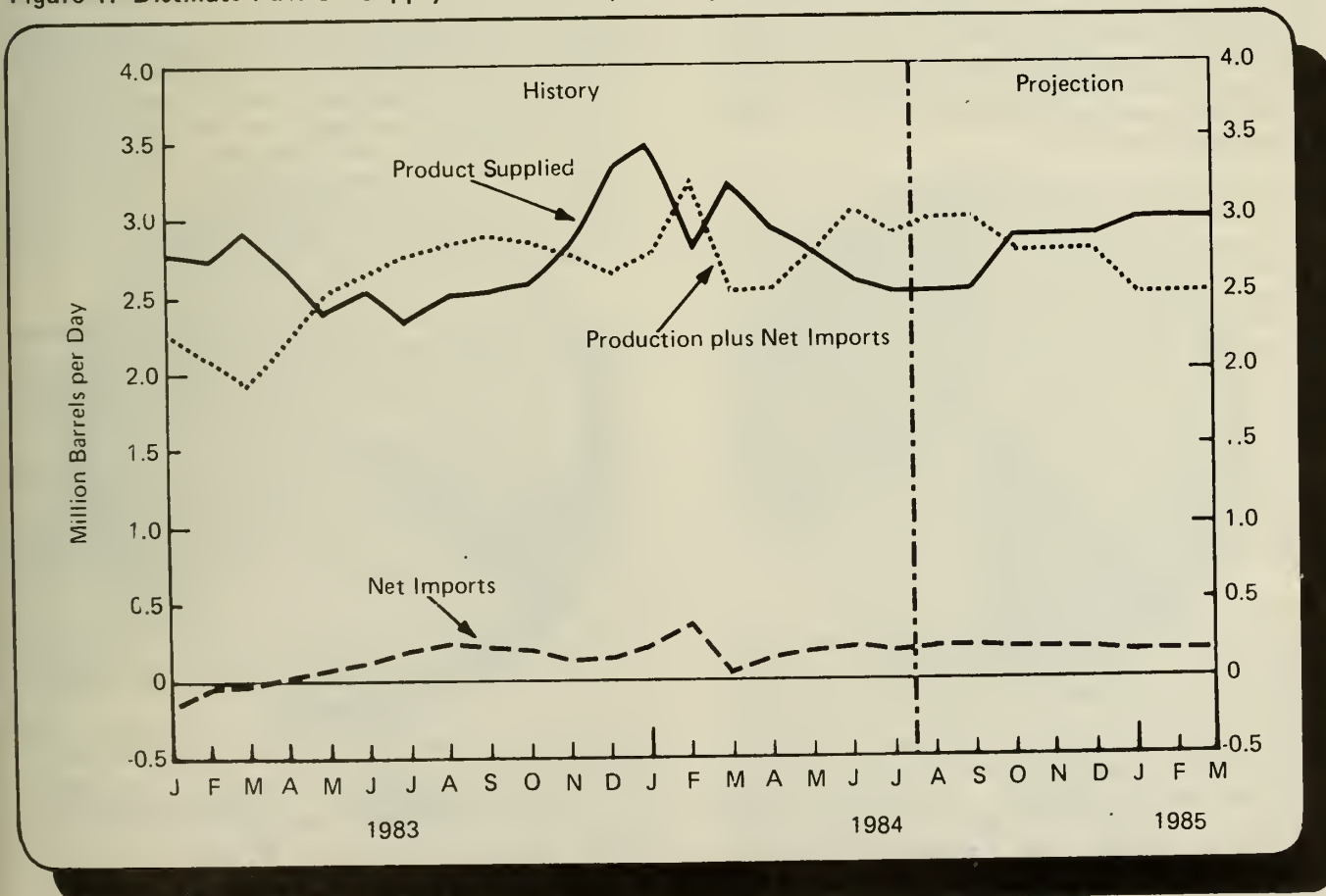
days (from the base assumption of normal weather) during the first and fourth quarter, the *Outlook* estimates that petroleum consumption would increase by an average of 270,000 barrels per day. Measured in heating degree days, last winter was 4 percent colder than normal, but December-January was 12 percent colder than normal.²

In late December 1983, a cold snap hit the Gulf Coast and the eastern half of the United States almost simultaneously. Because of the cold weather, production at several Gulf Coast refineries was curtailed for periods ranging from 1 day to 2 weeks during December and early January. This decline in Gulf Coast production accounted for the December decline of 0.2 million barrels per day in national production from November levels. Because production fell in the Gulf Coast region, loadings of product for shipment to other regions fell just as cold weather in the Central Atlantic, New England, and East North Central regions increased consumption of heating oil. Inventories fell sharply, particularly in the East Coast region, in December and January. By the end of January 1984, East Coast inventories were 28

¹Energy Information Administration, *Short-Term Energy Outlook* (August 1984), DOE/EIA-0202(84/3Q) (Washington, D.C., August 1984).

²Energy Information Administration, *Monthly Energy Review*, DOE/EIA-0035(83/11-84/01) (Washington, D.C., November 1983-April 1984).

Figure 1. Distillate Fuel Oil Supply and Demand, January 1983 - March 1985



Source: Energy Information Administration, "Petroleum Supply Monthly," DOE/EIA - 109(84/07), "Short-Term Energy Outlook," DOE/EIA - 0202(84/3Q).

million barrels below year-earlier levels. Between December and February, U.S. prices for residential heating oil increased from \$1.07 per gallon to \$1.17³, while East Coast prices increased from \$1.08 to \$1.20.⁴

Distillate fuel oil is used as a heating fuel and as a transportation fuel. In the last decade, distillate fuel oil has been diminishing in importance as a heating fuel because households are both conserving and converting to other fuels.⁵ However, heating remains its major function in the winter, particularly in the Central Atlantic, the New England, and the North Central regions of the United States.⁶ The winter demand for heating fuel accounts for the wintertime peak in demand for distillate fuel oil.

In 1983, the transportation sector (on-highway use, railroads, and marine shipping) accounted for almost 50 percent of distillate demand.⁷ From year to year, the demand for diesel fuel varies with the level of economic activity. Because industrial production is projected to grow by 7 percent this winter over last winter, the demand for diesel fuel oil is also expected to be strong, though somewhat dampened by the 6-cent-per-gallon increase in Federal diesel taxes effective August 1, 1984. The expectations for heating oil and diesel oil demand are combined in the distillate fuel oil outlook for winter 1984-1985 of 3.0 million barrels per day and for calendar year 1985 of 2.8 million barrels per day.

Domestic refining, imports, and withdrawal from inventories are the methods for supplying distillate fuel oil demand. Refinery production accounts for most of the distillate supply each year; however, the importance of refinery production to meeting current demand varies during the year. During peak demand periods in winter, some demand is satisfied by reducing inventories or by importing. At other times of the year refinery production exceeds current demand and the product is added to inventory for later use.

Crude oil is available for distillate production this winter. Crude oil stocks at the end of August 1984 were 343 million barrels, about the same as a year earlier and well above the minimum operating inventory level of 285 million barrels estimated by the National Petroleum Council.⁸ Although refinery capacity is lower this year than last year and refinery inputs are up, additional refinery capacity remains available. Refinery utilization rates in the first 7 months of 1984 ranged between 73 and 77 percent. However, a decision to increase refinery output of distillate fuel oil also depends upon demand for the other products that are produced simultaneously, particularly gasoline. When total product demand is considered, suppliers may find distillate imports and inventory reductions more attractive.

In the last 10 years, net imports of distillate fuel oil, which arrive mostly on the East Coast, have represented between 1 and 10 percent of the product supplied. Last winter, net imports averaged 203,000 barrels per day, but in February 1984, after prices for distillate fuel oil increased sharply,⁹ imports reached levels not seen since 1977.¹⁰ Distillate fuel oil was imported primarily from the Virgin Islands, the Netherlands, and Venezuela. In contrast, during the previous winter (1982-1983), exports exceeded imports by 9,000 barrels per day.

Withdrawal from distillate inventories is expected to contribute to product supply in the coming winter to about the same extent as last winter. Because interest rates remain high, the costs of carrying inventory are high. This acts as a disincentive for building and holding inventories in advance of demand. When combined with the fact that crude oil and product prices have been falling in recent months and the possibility that they may fall further, there has been less incentive for any of the primary stockholders—refiners, bulk terminals, or pipelines—to build and hold product inventories. Consequently, end-of-August 1984 inventories, 136 million barrels, were slightly (4 percent) below August 1983 inventories. Stock levels this fall are expected to peak at about the same levels as last year (see pages 12-13).

Each region of the country produced enough distillate fuel oil in 1983 to satisfy at least 75 percent of its demand except the East Coast, which is the major consuming region in the winter. In 1983, the East Coast produced about a quarter of its annual demand, received half of its product from other parts of the United States, chiefly the Gulf Coast, imported about a sixth, and drew from inventories for the remainder. Because of these supply solutions, transportation timing and costs are particularly important to the East Coast. Distillate imports from Europe and Western Hemisphere countries can often reach the East Coast in less time than production moved from the Gulf Coast. Regional product inventories are used to satisfy demand while the product is being shipped.

The outlook for winter 1984-1985 is for a slight decline in distillate demand from last winter's demand. Readily available crude oil supplies and refining capacity will be used to meet product demand with current production. Nationally and regionally, product inventories will be built to slightly lower levels than last year and product stock reductions should have about the same role to play as last year. Imports of distillate fuel oil may again be important if East Coast demand surges occur which cannot be met from regional inventories or timely interregional movements.

³Energy Information Administration, *Monthly Energy Review*, DOE/EIA-0035(84/04) (Washington, D.C., July 1984), p. 97.

⁴Energy Information Administration, *Petroleum Marketing Monthly*, DOE/EIA-0380(84/01 and 84/03) (Washington, D.C., January 1984 and March 1984), Table 18, January 1984 and Table 25, March 1984.

⁵Energy Information Administration, *Annual Energy Review 1983*, DOE/EIA-0384(83) (Washington, D.C., April 1984), p. 19.

⁶Energy Information Administration, *Petroleum Marketing Monthly*, DOE/EIA-0380 (Washington, D.C., December 1983[2]-March 1984), Table H1 and Table 24, December 1983[2]; Table 32, December 1983[3]; Table 39, February 1984; Table H1 and Table 39, March 1984.

⁷Energy Information Administration, *Petroleum Supply Annual 1983*, DOE/EIA-0340(83)/1 (Washington, D.C., June 1984), pp. 119-133. For a discussion of data sources for 1983 deliveries, see pp. 130-133.

⁸National Petroleum Council, *Petroleum Inventories and Storage Capacity: A Report of the National Petroleum Council* (Washington, D.C., June 1984), p. 3.

⁹Energy Information Administration, *Weekly Petroleum Status Report*, DOE/EIA-0208(84-35) (Washington, D.C., August 30, 1984), pp. 20-21 and 17.

¹⁰Energy Information Administration, *Petroleum Supply Annual 1981-1983*, and *Petroleum Statement Annual 1973-1980*.

Distillate Fuel Oil Overview

Distillate fuel oil competes with other petroleum products and non-petroleum energy sources in heating, transportation, and industrial uses. Since 1973, the prices for all energy sources, including distillate fuel oil, have risen, resulting in general energy conservation. At the same time, the relative prices of competing fuels have shifted, as some prices rose more than others. The following article describes how demand for distillate fuel oil has changed since the 1970's. It reviews how the fuel is supplied, noting the important roles played by inventories and transportation networks. Finally, it reviews some of the price series available for tracking the interaction of distillate demand and supply.

Demand for Distillate Fuel Oil

Demand for distillate fuel oil peaked in 1978 at 3.4 million barrels per day and fell each year after that until 1983. Because of economic recovery and an unusually cold December, distillate demand steadied, remaining at 2.7 million barrels per day last year. Demand in the first 8 months of 1984 averaged 2.9 million barrels per day, compared with 2.6 million barrels for the same period in 1983. Demand in 1984 has been strong, because a cold winter and economic recovery have strengthened all the components of distillate fuel oil demand.

Distillate fuel oil includes No. 1, No. 2, and No. 4 fuel oils and No. 1, No. 2, and No. 4 diesel oils (see Glossary). These oils get progressively heavier from No. 1 to No. 4. The largest share of distillate fuel oil is No. 2 oil. The heating oils and diesel oils are alike in most respects except that diesel oil must also meet cetane-number¹ specifications which a fuel oil may or may not meet.

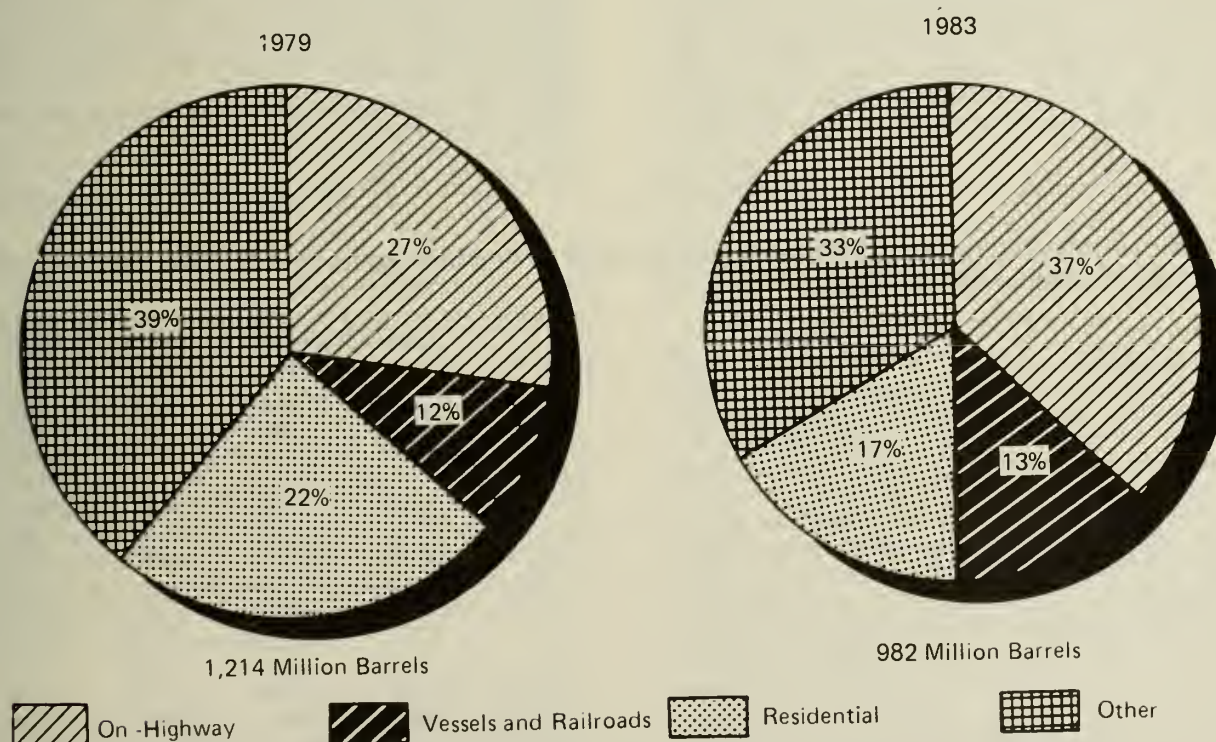
The transportation sector (vessels, railroads, on-highway vehicles) accounted for 50 percent of distillate fuel oil deliveries in 1983.² On-highway vehicles accounted for 37 percent of distillate deliveries in 1983, up 10 percent from 1979 (see Figure 1). On-highway vehicle consumption was one of only two end-use categories that increased volumetrically as overall consumption declined.

Although diesel automobiles have increased their market share only slightly in recent years, the diesel engine completely dominates the large-size truck fleet and is

¹Cetane numbers are index numbers which describe the ease with which the oil ignites in a diesel engine.

²Energy Information Administration, *Petroleum Supply Annual 1983*, DOE/EIA-0340(83)/1 (Washington, D.C., June 1984), pp. 119-133.

Figure 1. Deliveries of Distillate Fuel Oil by Use, 1979 and 1983



Source: Energy Information Administration, "Petroleum Supply Annual 1983," DOE/EIA - 340(83)/1.

increasing its share of the mid-sized and smaller truck fleets. The diesel fuel market has continued to expand because this fuel offers better value per measure of energy content than motor gasoline, which has been the major fuel alternative. In 1983, the transportation sector spent only \$8.67 per million British Thermal Units (Btu) for distillate fuel oil but spent \$9.79 for the same amount of energy from motor gasoline³ (see Table 1). Earlier in the 1970's, the advantage to using diesel fuel over motor gasoline had been even greater and high-mileage truck operators chose the diesel engines available to them. Most passenger car operators have not chosen diesel automobiles because equipment costs and engine performance were not attractive.

The residential sector (houses and residences with between one and four units) accounted for 17 percent of all distillate fuel oil deliveries in 1983.⁴ More households use natural gas and electricity for residential heating than distillate fuel oil. According to the latest Energy Information Administration (EIA) Residential Energy Consumption Survey, 12.1 million residences used fuel oil or kerosene as their main heating fuel in 1982.⁵ Over 17 million households used fuel oil as their main heating fuel in 1973. Distillate fuel oil has cost between 30 and 42 percent more than natural gas since 1973. Electricity has always been more expensive than distillate fuel oil but its relative cost has been reduced from 4.2 times the cost of distillate fuel oil in 1973 to 2.6 times as much in 1983 (see Table 1). Where heating is not a major end-use, as in the South and Southwest, the capital investment required to burn distillate fuel oil makes electricity attractive.

Diesel fuel demand is about the same throughout the year, but because heating oil use occurs in the winter, this is when distillate demand peaks. EIA's surveys of sales of these fuels by refiners and natural gas plant operators show the seasonal patterns of diesel oil and fuel oil demand.⁶ Between January 1983 and May 1984, heating oil sales were greatest in January 1984 (91.5 million gallons per day) and lowest in July 1983 (34.9

million gallons per day). January sales were about 57 million gallons per day more than July sales. The high and low months (May 1984 and February 1983) for diesel fuel sales differed by 25 million gallons per day.

The East Coast and Midwest together accounted for 66 percent of all distillate fuel oil deliveries.⁷ The East Coast, Petroleum Administration for Defense (PAD) District 1, accounted for 37 percent of 1983 demand for distillate fuel oil, the largest proportion of any district. The East Coast was the leading consumer of distillate fuel oil in the residential, commercial, industrial, and electric utility sectors, where heating oil is the major type of distillate fuel oil consumed. The East Coast accounted for 74 percent of all residential sector consumption of distillate fuel oil. The consumption of heating fuel was even further concentrated. New York, New Jersey, Massachusetts, and Pennsylvania accounted for 50 percent of the Nation's residential sector consumption of distillate fuel oil. The Midwest (PAD District 2) accounted for another 29 percent of distillate fuel oil demand and led the Nation in consumption by the on-highway, farm, and railroad sectors.

Distillate Fuel Oil Supply

Distillate fuel oil is supplied through a combination of refinery production, imports, and withdrawal from inventories. The United States produces 90 percent or more of the distillate fuel oil supplied each year; so, on

³Transportation prices include the appropriate Federal excise tax and State road use taxes.

⁴Energy Information Administration, *Petroleum Supply Annual 1983*, op. cit., pp. 119-133.

⁵Energy Information Administration, *Annual Energy Review 1983*, DOE/EIA-0384(83/1) (Washington, D.C., 1984), pp. 17-19.

⁶Energy Information Administration, *Petroleum Marketing Monthly*, DOE/EIA-0380(84/01 and 84/05) (Washington, D.C., 1984), Table H1.

⁷Energy Information Administration, *Petroleum Supply Annual 1983*, op. cit., pp. 119-133.

Table 1. Prices of Distillate Fuel and Selected Other Fuels by End Use Sector—1973, 1978, 1983, and 1990¹ (1983 Dollars per Million Btu)

| | 1973 | 1978 | 1983 | 1990 ¹ |
|--|-------|-------|-------|-------------------|
| Residential Sector | | | | |
| Distillate Fuel Oil | 3.37 | 5.13 | 7.88 | 9.29 |
| Natural Gas | 2.60 | 3.62 | 5.80 | 7.38 |
| Electricity | 14.28 | 17.01 | 19.02 | 19.51 |
| Transportation Sector² | | | | |
| Distillate Fuel Oil | 3.23 | 4.76 | 8.67 | 10.07 |
| Motor Gasoline | 6.34 | 7.54 | 9.79 | 11.31 |
| Liquefied Petroleum Gas | 2.71 | 4.44 | 8.13 | 9.23 |
| Average Price to All Users | | | | |
| Distillate Fuel Oil | 2.88 | 4.63 | 7.82 | 9.19 |
| Motor Gasoline | 6.34 | 7.54 | 9.79 | 11.31 |
| Liquefied Petroleum Gas | 2.71 | 4.44 | 6.70 | 7.80 |
| Natural Gas | 1.39 | 2.71 | 4.58 | 5.91 |
| Coal | 1.05 | 2.02 | 1.78 | 1.98 |
| Electricity | 11.18 | 14.53 | 18.05 | 18.51 |

¹Projection based on midprice forecast.

²Transportation prices include the appropriate Federal excise tax and State road use taxes.

Source: Energy Information Administration, *Annual Energy Outlook 1983* (Washington, D.C., April 1984), Table A5.

Table 2. U.S. Distillate Supply by Region, 1983
(Million Barrels)

| | 1 | 2 | PAD District 3 | 4 | 5 | USA Total |
|-----------------------|-----|-----|-------------------|-----|-----|--------------|
| Production..... | 95 | 215 | 420 | 41 | 126 | 897 |
| Imports..... | 56 | 3 | 2 | (s) | 2 | 64 |
| Exports..... | 1 | (s) | 9 | (s) | 13 | 23 |
| Stock Change..... | 27 | 8 | 7 | 1 | 2 | 45 |
| Net Receipts..... | 183 | 57 | - 245 | - 3 | 8 | — |
| Pipeline..... | 150 | 47 | - 201 | - 3 | 7 | — |
| Tanker and Barge..... | 34 | 10 | - 44 | 0 | 1 | — |
| Product Supplied..... | 360 | 283 | 176 | 39 | 124 | 982 |

(s) = Less than 500,000 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Annual 1983*, DOE/EIA-0340(83/1) (Washington, D.C., June 1984).

average, the national roles for imports and inventory changes are not large. Imports and inventory changes have more important roles to play regionally, because regional production capacities and demand levels do not always correspond.

In 1983, refinery production of distillate fuel oil was 2.5 million barrels per day. Refinery production accounted for 91 percent of national distillate fuel oil supply, down from 98 percent in 1982. The share of refinery production in 1983 was the lowest since 1974. In 1983, stock withdrawals represented 5 percent and net imports 4 percent of product supply.

Distillate fuel oil is produced from crude oil run through atmospheric distillation units and from unfinished oils run through vacuum distillation and cracking units. Distillate fuel oil which is to be marketed as diesel fuel oil must meet the same specifications for combustion temperature as heating oil and must also meet cetane specifications which assure that it will ignite quickly in diesel engines. Some distillate fuel oils, especially those produced from paraffinic crude oils, have sufficient cetane values after straight distillation, but others may need cetane enhancement at the refinery or elsewhere. Cetane values can be enhanced by additives, blending, or further refining processes. Such enhancement adds to production costs, however.

Other important quality specifications of diesel fuel oils are cloud point and pour point temperatures—temperatures below which wax crystals form and clog the fuel injection system of the diesel engine and the fuel flows poorly. The same paraffinic crude oils which provide the best cetane values have the worst problem with wax crystal formation and pouring. Consequently, distillate streams from crude oils of lesser cetane value but better cloud point and pour point properties are also useful in diesel fuel oil production. As diesel oil has grown more important in the distillate fuel oil market, more product is designed to its specifications. Product which meets diesel fuel specifications can be burned as heating oil, but heating oil cannot necessarily be burned as diesel fuel.

During winter 1983-1984, between 196 and 204 facilities produced distillate fuel oil, about 85 percent of all operating facilities. In 1983, as in the first half of 1984, from 10 to 12 facilities produced a quarter of U.S. distillate fuel oil production. About 42 percent of 1983 produc-

tion took place in the Texas and the Louisiana Gulf Coast regions, parts of PAD District 3. PAD District 3 accounted for 47 percent of U.S. production, leading the Midwest, West Coast, East Coast, and Rocky Mountain regions, respectively. The major distillate consuming regions, the East Coast and the Midwest, produced 10.6 and 24.0 percent, respectively, of 1983 national production. In 1981, these regions accounted for 11.4 and 25.5 percent of national production.

Distillate fuel oil production is usually higher during summer, fall, and winter, and falls to lower levels in the spring. These changes in refinery output are achieved both by changing the level of inputs to the crude distillation units and by changing the configurations of the refining process to change yields. The yields of gasoline or distillate fuel oil from a given refinery can be changed by using different downstream units at the refinery and by using different crude oils. At the national level, the difference between early summer gasoline modes and winter distillate modes is usually no more than 4 or 5 percentage points in the yield rates.⁸ However, specific refining districts and specific refineries can achieve larger changes in percentage yields. On average, however, the production of gasoline is twice as large as the distillate output. Since each barrel of distillate fuel oil produced is accompanied by several barrels of other products, the demand for these products can determine whether producing another barrel of distillate fuel oil is profitable. Imports or inventory reductions may be the preferred option for supply.

Since three regions produce more distillate fuel oil than they consume and two regions produce less than they consume, interregional transfers, imports, and exports are important in achieving an overall balance of supply and demand. Table 2 portrays how the Nation as a whole and each region individually met distillate fuel oil demand in 1983. The East Coast produced only 26 percent of its distillate fuel oil supply, imported nearly 16 percent, reduced inventories for nearly 8 percent, and received over 50 percent from other regions, particularly the Gulf Coast. The Midwest produced 76 percent of its distillate supply and, consequently, needed to receive only 20 percent from other regions. The Gulf Coast produced about 2.4 times its own demand and

⁸See, for example, Energy Information Administration, *Petroleum Supply Annual 1983*, DOE/EIA-0340(83/2) (Washington, D.C.: June 1984), Table 13, pp. 147-158.

provided most of the fuel transferred to the East Coast and Midwest.

Distillate fuel oil is transported between PAD districts by product pipelines and waterborne tankers and barges. Both modes of transport are used to some extent in all regions except the Rocky Mountains (PAD District 4) where no waterborne transport is used. The largest movement of product occurs from PAD District 3 to PAD District 1 and, of this product, most is moved by pipeline. The distance from Houston to the New York Harbor area by pipeline is nearly 1,600 miles. It takes about 3 weeks to move distillate fuel oil in the pipeline this distance. Although it takes only about 5-6 days to move product by tanker from Houston to New York, the cost is higher. Furthermore, the cost rises as more tankers are sought to ship larger volumes of product. However, shipments by tanker and barge are also important to PAD District 1 to deliver the product to terminals along the East Coast which are not close to pipelines. The Midwest receives 65 percent of its product transfers from the Gulf Coast; another 30 percent comes from the East Coast.

Net imports of distillate (gross imports minus exports) have represented between 1 and 10 percent of distillate supply in the last 10 years. In 1983, net imports of distillate fuel oil were 110,000 barrels per day and accounted for 4 percent of supply. In 1982, however, net imports were only 19,000 barrels per day which represented less than 1 percent of supply. Because of the early cold weather, net imports in the first 7 months of 1984 averaged 206,000 barrels per day. Net imports reflect the difference between gross imports and exports. Each of these can be analyzed independently, although both should respond to the same price signals since export controls were lifted in October 1981. That is, if U.S. prices for distillate are high relative to overseas prices, imports will rise and exports will fall.

Since the beginning of 1983, the quantity of gross imports reported monthly has ranged between 42,000 barrels per day in March 1983 and 458,000 barrels per day in February 1984. Imports in 1983 came from 23 different countries but the top 3—Virgin Islands, Venezuela, and Canada—accounted for 63 percent of all imports. In the first 6 months of this year, 25 countries have provided distillate fuel oil supplies, with the Western hemisphere countries of Virgin Islands, Venezuela, and Canada again the top 3 suppliers. Following a high level of February imports, the Netherlands is the fourth highest importer to date in 1984. In late January and early February 1984, the spot market prices for distillate fuel oil in New York were as much as \$9 a barrel higher than in Rotterdam, drawing supplies from European sources.⁹

In 1983, about 88 percent of all distillate imports arrived in East Coast ports, 5 percent in the Midwest, and 3 percent each in the Gulf Coast and West Coast ports. Shipping time from the country of origin to New York Harbor, the major East Coast port, depends on distance but is frequently competitive with pipeline and waterborne shipments from the Gulf Coast. Shipping time to New York Harbor is about 5 days from the Virgin Islands and about 6 days from Venezuela. The transport time from Rotterdam is about 10 days.

Since the export of petroleum products was decontrolled in October 1981, distillate fuel oil has been the third or fourth largest petroleum export. In 1983, it accounted for about 11 percent of product exports, well behind residual fuel oil and petroleum coke. In 1983, about equal volumes of exports left the West Coast and the Gulf Coast. National exports have ranged, month to month, between 24,000 and 174,000 barrels per day since the beginning of 1982, depending on how U.S. prices compared with distillate fuel oil prices elsewhere in the world.

The remaining source for distillate fuel oil supply in a given year is inventory reduction. Distillate fuel oil inventories have been reduced each year since 1979, not only in terms of end-of-year inventory levels, but also in terms of average yearly stock levels. Stock reduction in 1983 was the largest since World War II. Stocks at the end of 1983 were 46 million barrels below inventory levels a year earlier. Contributing to this large change was a 1-month reduction of 21 million barrels in December 1983, caused in the latter part of the month by the sudden arrival of cold weather and curtailed production in the Gulf Coast. Distillate inventories have always been the most variable of the major product stocks, because demand is highly seasonal; however, the role of inventories is changing. During the 1970's and early 1980's, about 15 percent of summertime production was added to inventories for drawdowns in the fall and winter when production levels were below demand levels. Production levels exceeded demand levels by only 7 percent in summer 1983 and about 8 percent this past summer.

Distillate Fuel Oil Inventories

Distillate fuel oil is held by three categories of stockholders—primary, secondary, and tertiary stockholders. Primary distribution system inventory holders are refiners, bulk terminals, and product pipelines. Secondary distribution system inventory holders are the wholesale distributors and retail outlets which buy the product to sell to final users. Tertiary inventory holders are those people or businesses holding product inventories for their own eventual use. They include households, farms, electric utilities, factories, governments, and many kinds of businesses such as trucking companies, shipping companies, construction companies, or any business that runs its own fleet of trucks or heats multi-residential or commercial space. The number of distillate fuel oil stockholders in the tertiary sector (including, for instance, about 12.1 million households)¹⁰ is much larger than the number in the primary sector (about 530 facility operators in winter 1983-1984).¹¹ Since all products which pass into secondary or tertiary inventories pass through the primary distribution system, changes in inventory for the primary sector provide a key indication of change in end-use demand. Data on primary distribution system

⁹Energy Information Administration, *Weekly Petroleum Status Report*, DOE/EIA-0208(84-34) (Washington, D.C.: August 1984), pp. 20-21.

¹⁰Energy Information Administration, *Annual Energy Review 1983*, op. cit., pp. 17-19.

¹¹Unpublished data reported on forms EIA-810, "Monthly Refinery Report"; EIA-811, "Monthly Bulk Terminal Report"; and EIA-812, "Monthly Product Pipeline Report."

inventories published by EIA¹² are collected weekly and monthly by the EIA Petroleum Supply Reporting System.

These data indicate that the East Coast almost always holds the largest volume of primary sector inventories of distillate fuel oil. Inventory levels in that region build each summer and each fall and then drop during the winter heating season. Since 1979, at the point of highest national inventories in the fall, the East Coast has held between 44 and 49 percent of U.S. inventories. At the end of winter and during spring, other regions—the Midwest or Gulf Coast—sometimes have inventory levels higher than the East Coast, but East Coast inventories begin to build again during the summer. In 1983, the fall peak for distillate inventories in the East Coast was 43 million barrels higher than the spring low. This difference is about average for the differences since 1979, although the values of the seasonal highs and lows have fallen each year since 1979. The difference between fall and spring in the Midwest was about 17 million barrels in 1982 and 1983—more than the difference in 1980 and 1981, but half the difference in 1979. Other regions show very little variation.

Primary inventories are held in refineries, bulk terminals, and pipelines. At any given time of the year, more product is held in bulk terminals than at either refineries or pipelines. Bulk terminal inventories are the most variable over the course of the year. In addition, as primary inventory levels have fallen in recent years, the largest reductions have occurred at bulk terminals. Average monthly inventory levels at bulk terminals were 31 percent lower in 1983 than in 1981, compared with 22 percent lower at refineries and 18 percent lower in pipelines.

Inventories in the primary distribution system have fallen each winter since 1979-1980 by two measures:

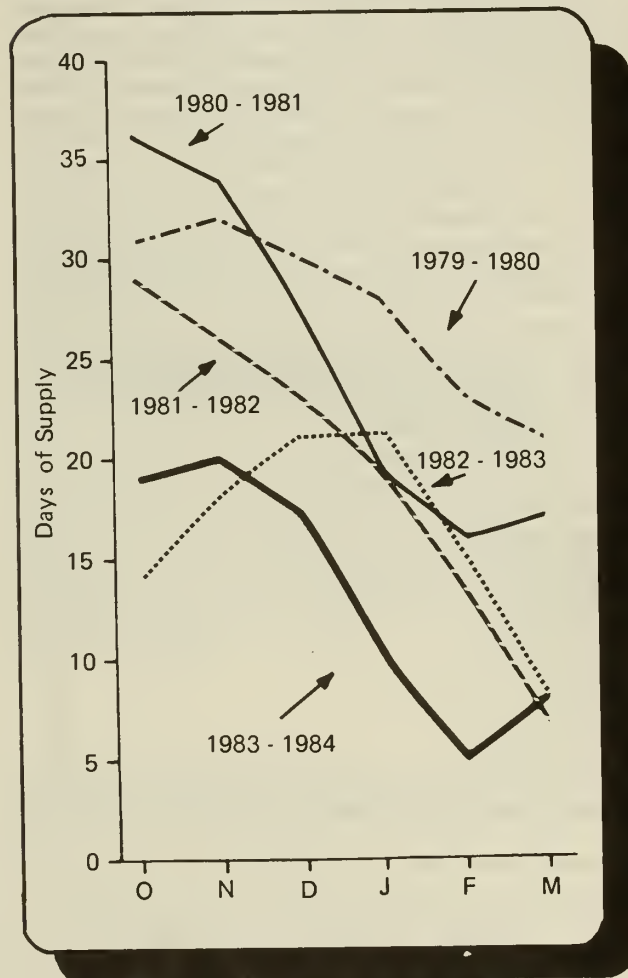
- Average stock levels have fallen from 213 million barrels in winter 1979-1980 to 138 million barrels in winter 1983-1984.
- Average wintertime "days of supply," an inventory concept which takes the level of demand into account,¹³ fell from 27.5 days in winter 1979-1980 to 13.2 days in winter 1983-1984 (see Figure 2).

Another indication of changes in distillate inventory holding can be seen using the minimum operating inventory (MOI) level, defined by the National Petroleum Council as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. In its report released in November 1983, the Council lowered its estimate of the minimum operating inventory level for distillate fuel oil to 105 million barrels, from the 125 million-barrel level set in its 1979 study.¹⁴ At its spring low, the level of distillate inventories fell below the minimum operating level (of 125 million barrels) for 3 months in 1982, and for 3 months in 1983. In 1984, inventories were below the lower MOI level of 105 million barrels in 2 months. Other products rarely fall below the minimum operating inventory level.

Several explanations have been offered for the reduction in distillate inventories. One of the most important is the reduction in distillate demand. Another reason

given is a greater sense of security about crude oil supplies and crude oil prices that has reduced the desire to keep precautionary inventories. Higher interest rates (especially relative to the rate of inflation) have increased the cost of carrying inventories. In addition, when crude oil prices are falling, or may fall, there is hope that the product can be produced in the future from a cheaper raw material. In late 1982, crude oil prices fell sharply and other declines are considered

Figure 2. Days of Distillate Fuel Oil Supply, Winters 1979 - 1980 through 1983 - 1984



Sources: Energy Information Administration, "Petroleum Supply Monthly," DOE/EIA-0109(84/07), "Petroleum Supply Annual 1983," DOE/EIA-0340(83)/2 and predecessor reports; National Petroleum Council, "Petroleum Inventories and Storage Capacity: A Report of the National Petroleum Council."

¹²See Energy Information Administration, *Petroleum Supply Annual 1983*, DOE/EIA-0340(83/2) (Washington, D.C.: June 1984), Monthly Statistics Tables 2, 4-8, 18, and predecessor reports.

¹³Days of supply of inventory is calculated as: (beginning total inventory level minus minimum operating inventory level) divided by the daily rate of current product demand. See National Petroleum Council, *Petroleum Inventories and Storage Capacity: A Report of the National Petroleum Council* (Washington, D.C., June 1984), p. 30.

¹⁴National Petroleum Council, *Petroleum Inventories and Storage Capacity: A Report of the National Petroleum Council*, op. cit.

possible in 1984. Some observers claim that the development of futures contracts for distillate fuel oil is another reason that inventories are lower. In this argument, instead of holding physical volumes of inventory as a hedge against adverse price movements, stockholders buy contracts for the delivery of product at a future time at an agreed upon price. Most contracts do not, however, result in the delivery of "wet barrels" of product. The contracts are closed out by the exchange of money. They have functioned to limit the price risks of the buyer and seller of the contract.

The relative magnitudes of primary, secondary, and tertiary inventories can seldom be compared because regular measures of secondary and tertiary inventories are not made. However, the National Petroleum Council recently published results of a study of secondary and tertiary inventory levels. That study produced estimates of secondary and tertiary inventories on March 31, 1983¹⁵ (see Table 3). Of the 268 million barrels of middle distillate inventories (including kerosene) on that date, 52 percent were held in secondary and tertiary storage. Most of the inventories were held by the residential sector, followed by the transportation sector and electric utilities.

Table 3. Secondary and Tertiary Inventories of Distillate Fuel Oil and Kerosene, March 31, 1983 (Million Barrels)

| | |
|---------------------------------|------------|
| Secondary Sector | 10 |
| Bulk Plants | 8 |
| Retail Motor Fuel Outlets | 2 |
| Tertiary Sector | 131 |
| Agricultural | 8 |
| Commercial | 5 |
| Electric Utilities | 22 |
| Industrial | 9 |
| Military/Government | 10 |
| Residential | 55 |
| Transportation | 23 |

Source: National Petroleum Council, *Petroleum Inventories and Storage Capacity*, June 1984.

Comparable estimates, by product, of secondary and tertiary inventories do not exist for other points in time. In a 1979 study on storage capacities, the National Petroleum Council did, however, estimate that, on average, about 60 percent of petroleum product inventories were held in secondary and tertiary sectors. The 1983 study indicates the proportion has stayed about the same; i.e., secondary and tertiary inventory volumes have fallen together with primary inventory volume. The same incentives to reduce storage—reduced demand, reduced risk, higher carrying charges, and hopes for lower prices—have probably affected bulk plants, retail fuel stations, and end users in the same way that they affected primary inventory holders.

Distillate Fuel Oil Prices

Distillate fuel oil prices are determined by interactions of demand and supply in a given market. Prices depend on what users are willing to pay for this fuel for heating or transportation and on what suppliers are willing to take as a return for their resources, labors, and capital.

The price that consumers are willing to pay depends on the strength of demand for a specific use, whether heating homes or fueling engines. In any year, demand strengthens when the weather turns cold or economic activity picks up. Demand falls over time as people learn how to conserve fuel or switch to cheaper fuels. Demand rises if distillate fuel oil is perceived as a better buy than another fuel. Diesel fuel use, for instance, has grown, because on a dollars-per-Btu basis, diesel fuel has been readily perceived as cheaper than motor gasoline. (A barrel of diesel fuel oil converts into 5.825 million Btu whereas a barrel of motor gasoline converts into 5.253 million Btu. Consequently, even though the economic advantage becomes more difficult to perceive as the price differential narrows between diesel fuel and motor gasoline, diesel fuel remains price competitive with gasoline until the price of diesel fuel reaches 1.11 times the gasoline price level.)

Costs to suppliers have increased for several reasons including increases in the price of crude oil and greater difficulty in getting marketable product as crude quality declines and product specifications rise. Higher interest rates also affect the costs of borrowing and of holding inventories. These changes in costs have resulted both in reductions in the quantity supplied and increases in the price of the fuel.

Distillate fuel oil prices are reported in a number of price series, each describing a different kind of transaction. Analyzing distillate price trends or relative prices requires some understanding of the types of transactions which are being represented. Transactions can differ according to a number of factors—type of oil, kind of market, region, season, or taxes.

Type of oil. Lighter oil is more valuable than heavier oil; e.g., No. 1 oil is more valuable than No. 4 oil because it burns at lower temperatures and burns more cleanly. This means it is easier to burn in cold weather in either diesel engines or furnaces.

Kind of market. Distillate fuel oil price series measure activity in retail markets, wholesale markets, spot markets, and futures markets. Price series exist for sales by refiners and other producers and by resellers and retail outlets. These prices differ because each product handler wants revenues to cover the costs of production or purchase and the costs of marketing and handling plus some profit margin. Large volume sales can mean lower marketing costs and can permit discounts; conversely, small volume sales incur more sales costs. Most retail sales of heating oil include delivery services which add to the price.

Sales of distillate fuel oil are made under long term contract, shorter term contracts, and on spot market basis. Contract sales help both the buyer and the seller plan and control price and supply. Product which is not acquired under plan can be acquired on an as-needed basis in the spot market. New York and Rotterdam have large and active spot markets where buyers acquire the marginal barrels they need and sellers offer their ex-

¹⁵National Petroleum Council, *Petroleum Inventories and Storage Capacity: A Report of the National Petroleum Council*, op. cit., pp. 37-44. For study methodology, see Appendixes K and L.

cess barrels. Spot market prices reflect the prices of marginal barrels and, as such, quickly reflect changes in market conditions. Spot prices are sometimes above and sometimes below contract prices. Since June 1984, spot market prices have been below year-earlier prices.

A futures contract is a contract to provide a stated quantity of distillate fuel oil at a future specified date, location, and price. These contracts are bought and sold by traders on commodity exchanges, such as the New York Mercantile Exchange, on behalf of producers and purchasers who want to assure product supply at specified prices. The value of these contracts tends to converge to the spot market price as the specified time period approaches. New price series have developed to track the daily price changes of futures contracts on the various commodity exchanges.

Region. Distillate fuel oil prices are not the same in different regions of the country for several reasons. Some areas have less demand for the function the fuel serves; e.g., the South needs less space heating fuel than the North. Competition from other fuels affects price in some regions. Also, costs to transport the product to the region when local refinery production does not match demand contribute to regional price differences.

Season. Distillate fuel oil prices are greater during the winter than during the summer; cold weather strengthens the demand for heating oil.

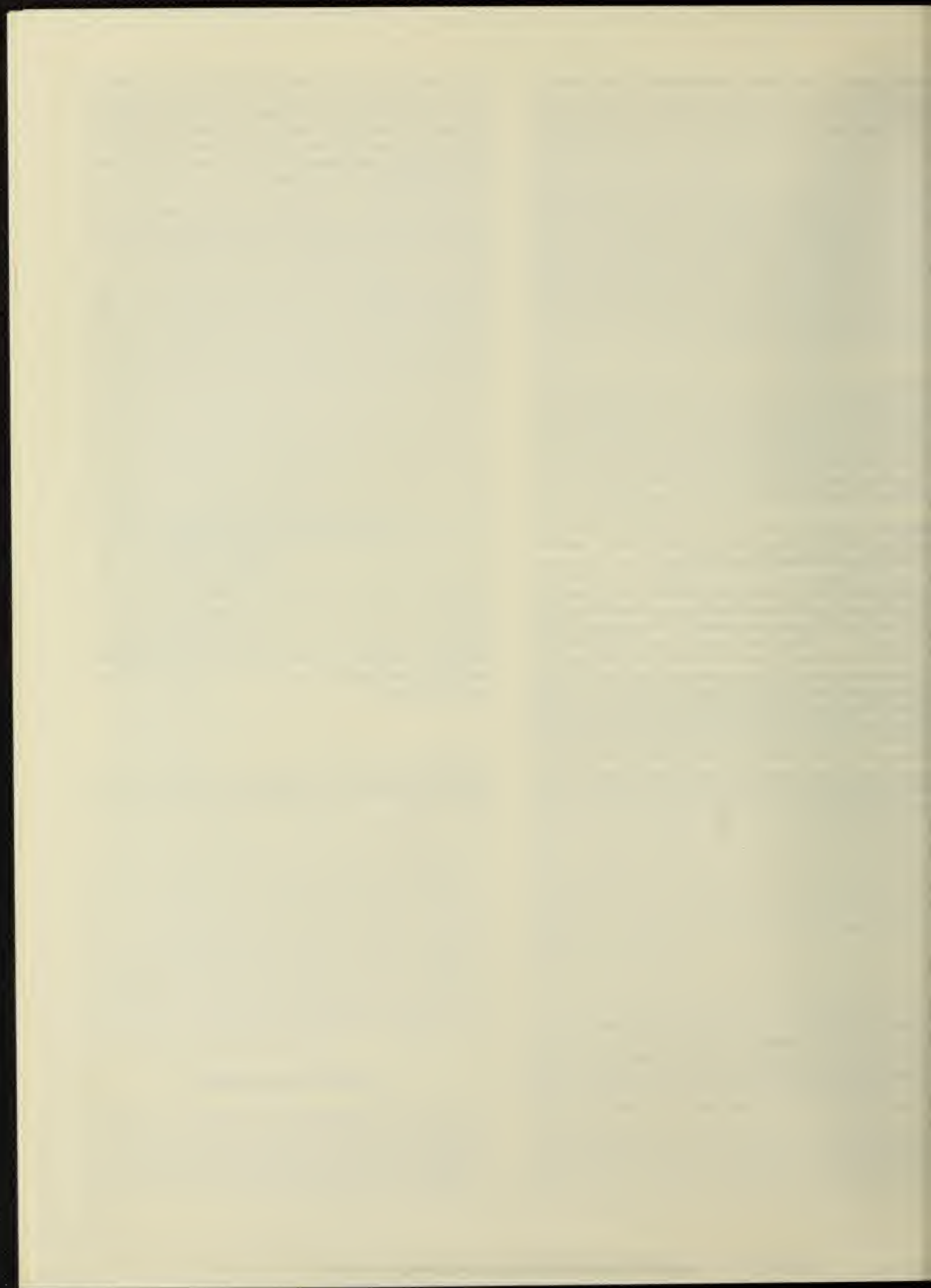
Taxes. Distillate fuel oil used as a motor fuel is taxed by the Federal Government and State governments. The Federal diesel tax was increased to 15 cents per gallon on August 1, 1984. This was the second Federal increase in less than 2 years; it followed an increase from 4 cents per gallon to 9 cents per gallon on April 1, 1983. State diesel taxes range between 4 cents per gallon (New Jersey) and 18 cents per gallon (Minnesota and Washington). Most diesel taxes are fixed amounts, but some vary around a legislated amount depending on changes in price indices. In some States, the sales of diesel fuel oil and residential fuel oil are subject to general State sales taxes. Most price series are published excluding taxes.

Purchases by different sectors of the economy result from transactions which differ in all the ways discussed above. As a result, prices vary by sector and are highest for residential users and lowest for industrial users. Between 1973 and 1983, however, the relative price increase was greatest for the industrial sector and least for the commercial sector.¹⁶

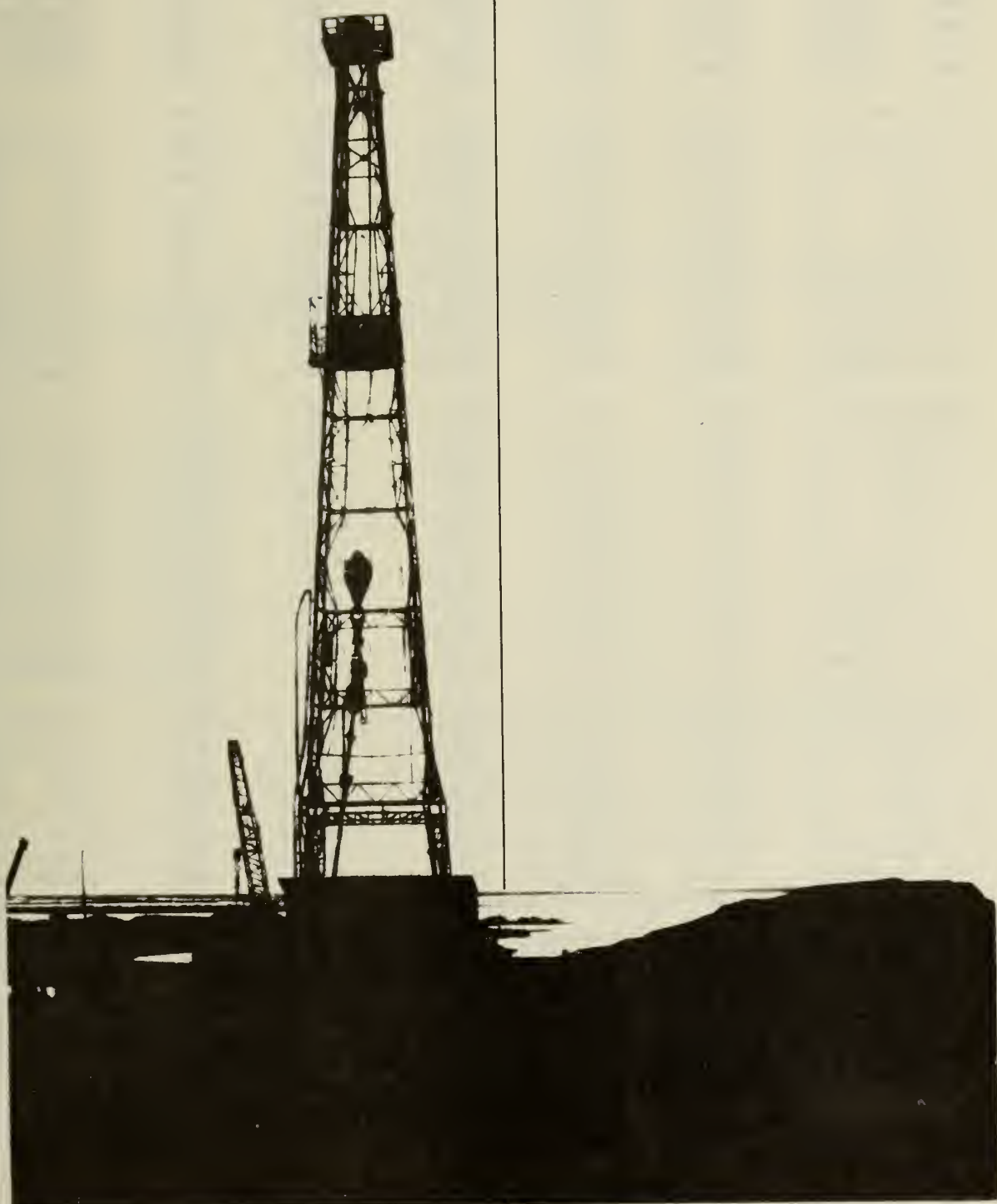
Prices for sales to several end-use sectors are presented in EIA's *Petroleum Marketing Monthly*. The price series for No. 2 fuel oil sold to residential consumers is probably the best known. Prices for this series reached their 1983 high point in January at \$1.15 and fell to \$1.04 in April. Prices reached \$1.07 by the last month of 1983, but rose to \$1.12 in January 1984 and \$1.17 in February 1984. As winter demand eased and supplies were replenished in the spring, prices declined. Prices in June 1984 were about 1 cent above the previous year. Prices during the coming winter will reflect the interactions of wintertime demand and supply.

In a short time frame, consumers can respond by changing usage rates and adding to or drawing from tertiary inventories. Although conversions to other fuels are made in response to relative price differences, they require capital conversions and are not made quickly. Because the rate of price increase for residential sector natural gas between 1973 and 1983 has been slightly less than the rate of increase for residential sector distillate fuel oil and the Btu value was greater for a dollar spent on natural gas, natural gas has increased its share of the residential heating market. Future relative price movements by natural gas and distillate fuel oil will affect the rate of conversions and, consequently, affect demand for distillate fuel oil. The relative price changes for diesel fuel oil, motor gasoline, and other transportation fuels will also affect distillate fuel oil demand.

¹⁶Energy Information Administration, *Annual Energy Outlook 1983*, DOE/EIA-0383(83) (Washington, D.C., April 1984), pp. 193-194.



Summary Statistics



Crude Oil¹ and Petroleum Products Overview

| | | Field Production | | | Stock Withdrawal ² | | | Ending Stocks ³ |
|------|-----------|-----------------------------|-----------|------------------------------|-------------------------------|--------------------|-----------------------------|---|
| | | Total Domestic ⁴ | Crude Oil | Natural Gas Plant Production | Crude Oil ⁵ | Petroleum Products | Petroleum Products Supplied | Crude Oil ⁵ and Petroleum Products |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | AVERAGE | 10,975 | 9,208 | 1,738 | 11 | -146 | 17,308 | 1,008 |
| 1974 | AVERAGE | 10,498 | 8,774 | 1,688 | -62 | -117 | 16,653 | ⁸ 1,074 |
| 1975 | AVERAGE | 10,045 | 8,375 | 1,633 | ⁸ -17 | ⁸ -145 | 16,322 | 1,133 |
| 1976 | AVERAGE | 9,774 | 8,132 | 1,603 | -39 | 96 | 17,461 | 1,112 |
| 1977 | AVERAGE | 9,913 | 8,245 | 1,618 | -170 | -378 | 18,431 | 1,312 |
| 1978 | AVERAGE | 10,328 | 8,707 | 1,567 | -78 | 172 | 18,847 | 1,278 |
| 1979 | AVERAGE | 10,179 | 8,552 | 1,584 | -148 | -25 | 18,513 | 1,341 |
| 1980 | AVERAGE | 10,214 | 8,597 | 1,573 | -98 | -42 | 17,056 | ⁸ 1,392 |
| 1981 | AVERAGE | 10,230 | 8,572 | 1,609 | ⁸ -290 | ⁸ 130 | 16,058 | 1,484 |
| 1982 | January | 10,128 | 8,509 | 1,578 | -401 | 1,298 | 16,124 | 1,456 |
| | February | 10,312 | 8,702 | 1,563 | -242 | 1,230 | 16,001 | 1,428 |
| | March | 10,284 | 8,667 | 1,572 | 121 | 1,047 | 15,560 | 1,392 |
| | April | 10,188 | 8,591 | 1,542 | -37 | 1,583 | 16,046 | 1,346 |
| | May | 10,244 | 8,683 | 1,518 | 29 | -66 | 14,847 | 1,347 |
| | June | 10,212 | 8,646 | 1,511 | 40 | -489 | 14,998 | 1,360 |
| | July | 10,229 | 8,658 | 1,513 | -147 | -926 | 14,821 | 1,393 |
| | August | 10,215 | 8,634 | 1,524 | -440 | -44 | 14,839 | 1,408 |
| | September | 10,279 | 8,701 | 1,518 | 263 | -447 | 15,022 | 1,414 |
| | October | 10,299 | 8,701 | 1,530 | -548 | -47 | 14,859 | 1,432 |
| | November | 10,359 | 8,697 | 1,609 | -398 | -361 | 15,009 | 1,455 |
| | December | 10,276 | 8,598 | 1,628 | 128 | 688 | 15,487 | ⁸ 1,430 |
| | AVERAGE | 10,252 | 8,649 | 1,550 | -136 | 283 | 15,296 | |
| 1983 | January | 10,331 | 8,697 | 1,580 | ⁸ -499 | ⁸ 772 | 14,722 | 1,452 |
| | February | 10,388 | 8,758 | 1,575 | -320 | 1,113 | 14,792 | 1,430 |
| | March | 10,279 | 8,700 | 1,541 | 83 | 1,810 | 15,541 | 1,372 |
| | April | 10,322 | 8,776 | 1,506 | -402 | 308 | 14,692 | 1,374 |
| | May | 10,190 | 8,631 | 1,493 | -15 | -602 | 14,505 | 1,394 |
| | June | 10,261 | 8,667 | 1,523 | -122 | -276 | 15,289 | 1,405 |
| | July | 10,228 | 8,636 | 1,539 | 233 | -909 | 15,019 | 1,426 |
| | August | 10,284 | 8,679 | 1,562 | -796 | -271 | 15,480 | 1,460 |
| | September | 10,447 | 8,784 | 1,602 | -239 | -621 | 15,506 | 1,485 |
| | October | 10,434 | 8,771 | 1,604 | -274 | -442 | 14,962 | 1,508 |
| | November | 10,461 | 8,770 | 1,641 | 114 | -182 | 15,500 | 1,510 |
| | December | 9,983 | 8,397 | 1,544 | -329 | 2,133 | 16,726 | 1,454 |
| | AVERAGE | 10,299 | 8,688 | 1,559 | -214 | 234 | 15,231 | |
| 1984 | January | 10,282 | 8,659 | 1,585 | -342 | 1,085 | 16,726 | 1,430 |
| | February | 10,410 | 8,726 | 1,629 | 186 | -1,353 | 15,389 | 1,464 |
| | March | 10,354 | 8,718 | 1,588 | -2 | 643 | 16,017 | 1,444 |
| | April | 10,347 | 8,688 | 1,616 | -565 | -128 | 15,484 | 1,465 |
| | May | 10,415 | 8,752 | 1,610 | -616 | -422 | 15,566 | 1,497 |
| | June | 10,398 | 8,743 | 1,612 | -95 | -77 | 15,687 | 1,502 |
| | July* | 10,487 | 8,769 | 1,649 | R-184 | R-184 | R15,547 | R 1,514 |
| | August** | NA | 8,781 | NA | 127 | -76 | 15,638 | 1,511 |
| | AVERAGE | NA | 8,730 | NA | -188 | -53 | 15,761 | |

¹ Includes lease condensate.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Stocks are totals as of end of period.

⁴ Includes crude oil, natural gas plant production, other hydrocarbons, and alcohol.

⁵ Includes stocks located in the Strategic Petroleum Reserve.

⁶ Includes crude oil for storage in the Strategic Petroleum Reserve.

⁷ Net Imports equal Imports minus Exports.

⁸ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

Footnotes continued on following page.

Crude Oil¹ and Petroleum Products Overview (continued)

| | | Imports | | | Exports | | | |
|--------------------------|-----------|---------|------------------------|--------------------|---------|-----------|--------------------|--------------------------|
| | | Total | Crude Oil ⁶ | Petroleum Products | Total | Crude Oil | Petroleum Products | Net ⁷ Imports |
| Thousand Barrels per Day | | | | | | | | |
| 1973 | AVERAGE | 6,256 | 3,244 | 3,012 | 231 | 2 | 229 | 6,025 |
| 1974 | AVERAGE | 6,112 | 3,477 | 2,635 | 221 | 3 | 218 | 5,892 |
| 1975 | AVERAGE | 6,056 | 4,105 | 1,951 | 209 | 6 | 204 | 5,846 |
| 1976 | AVERAGE | 7,313 | 5,287 | 2,026 | 223 | 8 | 215 | 7,090 |
| 1977 | AVERAGE | 8,807 | 6,615 | 2,193 | 243 | 50 | 193 | 8,565 |
| 1978 | AVERAGE | 8,363 | 6,356 | 2,008 | 362 | 158 | 204 | 8,002 |
| 1979 | AVERAGE | 8,456 | 6,519 | 1,937 | 472 | 235 | 237 | 7,984 |
| 1980 | AVERAGE | 6,909 | 5,263 | 1,646 | 544 | 287 | 258 | 6,365 |
| 1981 | AVERAGE | 5,996 | 4,396 | 1,599 | 595 | 228 | 367 | 5,401 |
| 1982 | January | 5,332 | 3,693 | 1,639 | 829 | 238 | 591 | 4,503 |
| | February | 4,807 | 2,990 | 1,817 | 804 | 304 | 499 | 4,003 |
| | March | 4,484 | 2,874 | 1,610 | 882 | 321 | 561 | 3,602 |
| | April | 4,378 | 2,849 | 1,529 | 786 | 174 | 611 | 3,593 |
| | May | 4,811 | 3,309 | 1,503 | 803 | 262 | 542 | 4,008 |
| | June | 5,327 | 3,836 | 1,491 | 703 | 94 | 609 | 4,624 |
| | July | 5,890 | 4,248 | 1,642 | 741 | 229 | 512 | 5,149 |
| | August | 5,244 | 3,851 | 1,392 | 858 | 304 | 554 | 4,386 |
| | September | 5,414 | 3,636 | 1,778 | 791 | 184 | 606 | 4,624 |
| | October | 5,306 | 3,670 | 1,636 | 932 | 270 | 662 | 4,374 |
| | November | 5,744 | 3,862 | 1,882 | 786 | 262 | 524 | 4,958 |
| | December | 4,606 | 3,000 | 1,605 | 860 | 193 | 667 | 3,746 |
| | AVERAGE | 5,113 | 3,488 | 1,625 | 815 | 236 | 579 | 4,298 |
| 1983 | January | 4,438 | 2,964 | 1,474 | 973 | 117 | 856 | 3,464 |
| | February | 3,726 | 2,267 | 1,459 | 865 | 262 | 603 | 2,861 |
| | March | 3,690 | 2,290 | 1,400 | 801 | 174 | 627 | 2,889 |
| | April | 4,727 | 3,118 | 1,609 | 809 | 88 | 721 | 3,918 |
| | May | 5,089 | 3,360 | 1,729 | 848 | 280 | 568 | 4,241 |
| | June | 5,326 | 3,577 | 1,749 | 774 | 144 | 630 | 4,552 |
| | July | 5,741 | 3,871 | 1,870 | 571 | 145 | 426 | 5,170 |
| | August | 6,159 | 4,227 | 1,933 | 663 | 172 | 491 | 5,496 |
| | September | 6,129 | 4,210 | 1,919 | 684 | 177 | 507 | 5,445 |
| | October | 5,258 | 3,446 | 1,812 | 576 | 140 | 436 | 4,682 |
| | November | 5,210 | 3,337 | 1,873 | 679 | 186 | 494 | 4,531 |
| | December | 5,033 | 3,213 | 1,820 | 639 | 95 | 544 | 4,394 |
| | AVERAGE | 5,051 | 3,329 | 1,722 | 739 | 164 | 575 | 4,312 |
| 1984 | January | 5,347 | 3,029 | 2,318 | 575 | 153 | 422 | 4,772 |
| | February | 5,643 | 2,952 | 2,691 | 582 | 185 | 397 | 5,061 |
| | March | 5,253 | 3,455 | 1,798 | 840 | 236 | 605 | 4,413 |
| | April | 5,319 | 3,417 | 1,902 | 655 | 172 | 483 | 4,664 |
| | May | 5,916 | 3,927 | 1,989 | 766 | 219 | 548 | 5,150 |
| | June | 5,304 | 3,410 | 1,893 | 864 | 222 | 642 | 4,440 |
| | July* | R 5,387 | R 3,646 | R 1,741 | 536 | 108 | 429 | 4,851 |
| | August** | 4,795 | 3,289 | 1,506 | NA | NA | NA | NA |
| | AVERAGE | 5,369 | 3,394 | 1,975 | NA | NA | NA | NA |

Footnotes continued.

* See Explanatory Note 9.1.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available.

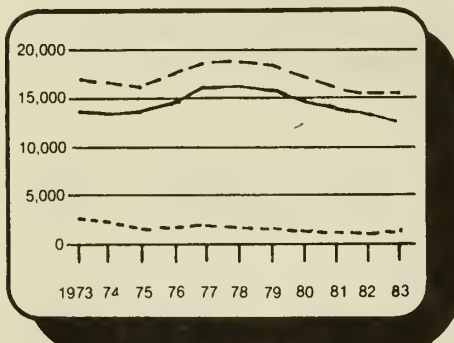
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

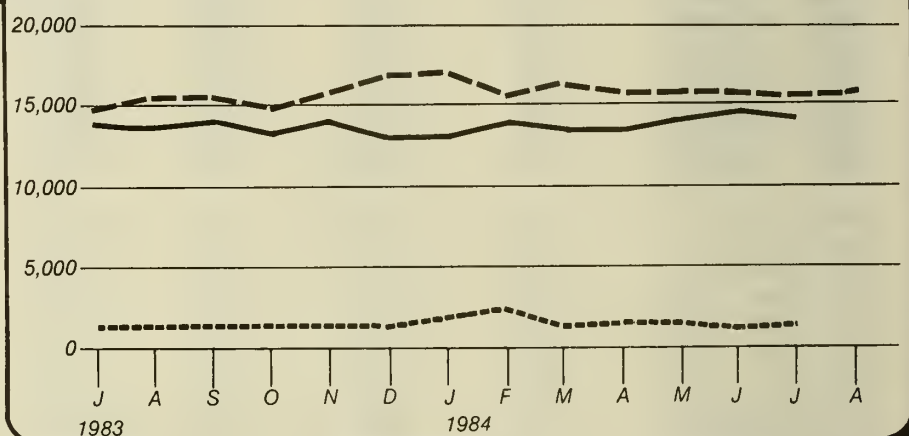
Petroleum Overview

(Thousand Barrels Per Day)



Annual

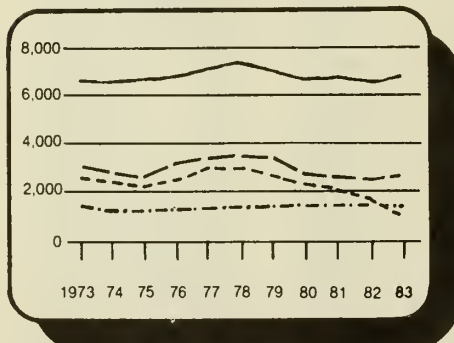
Legend
 --- Petroleum Product Supplied
 — Refinery Production
 Net Petroleum Product Imports



Monthly

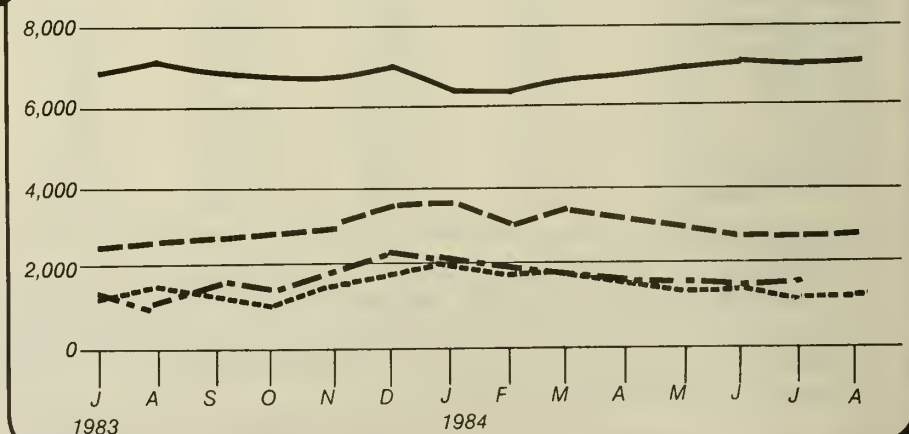
Petroleum Products Supplied

(Thousand Barrels Per Day)



Annual

Legend
 — Motor Gasoline
 --- Distillate Fuel Oil
 Residual Fuel Oil
 - . - LPG¹

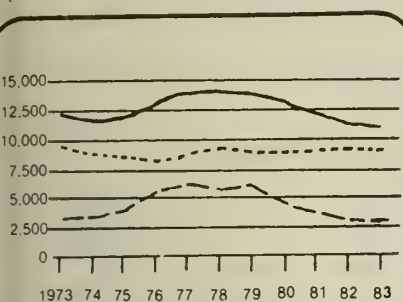


Monthly

¹ Liquefied Petroleum Gases

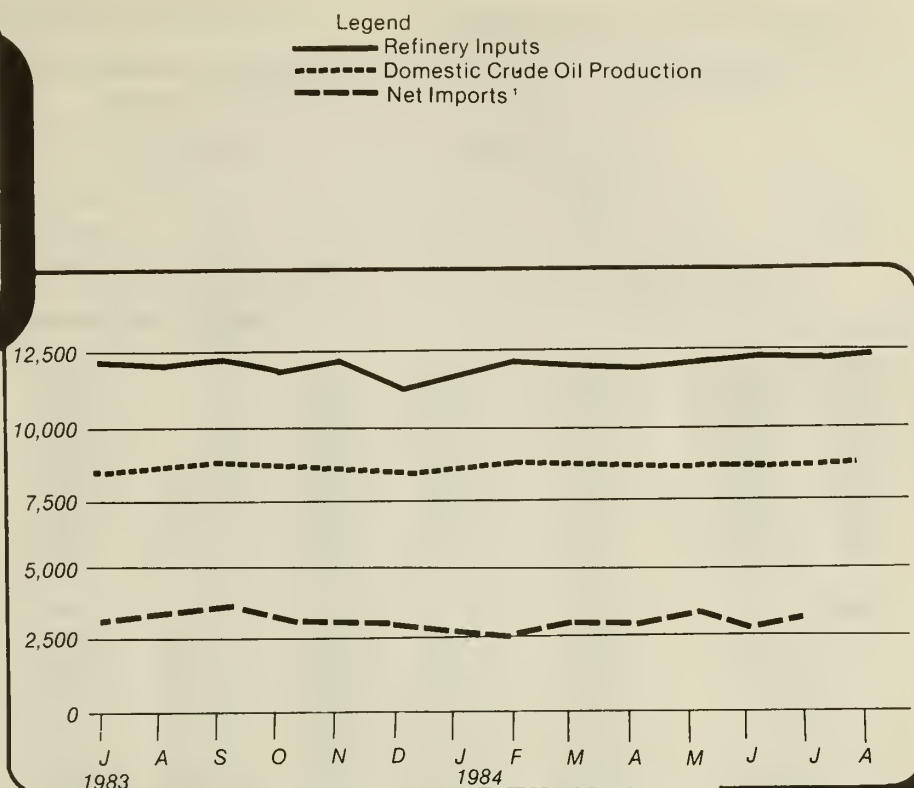
Crude Oil Supply and Disposition

(Thousand Barrels Per Day)



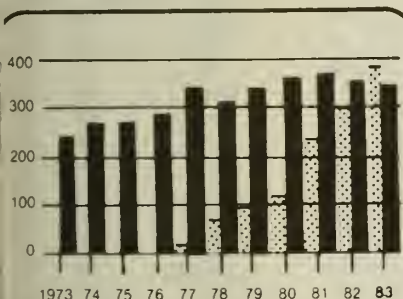
Annual

Excludes SPR Imports



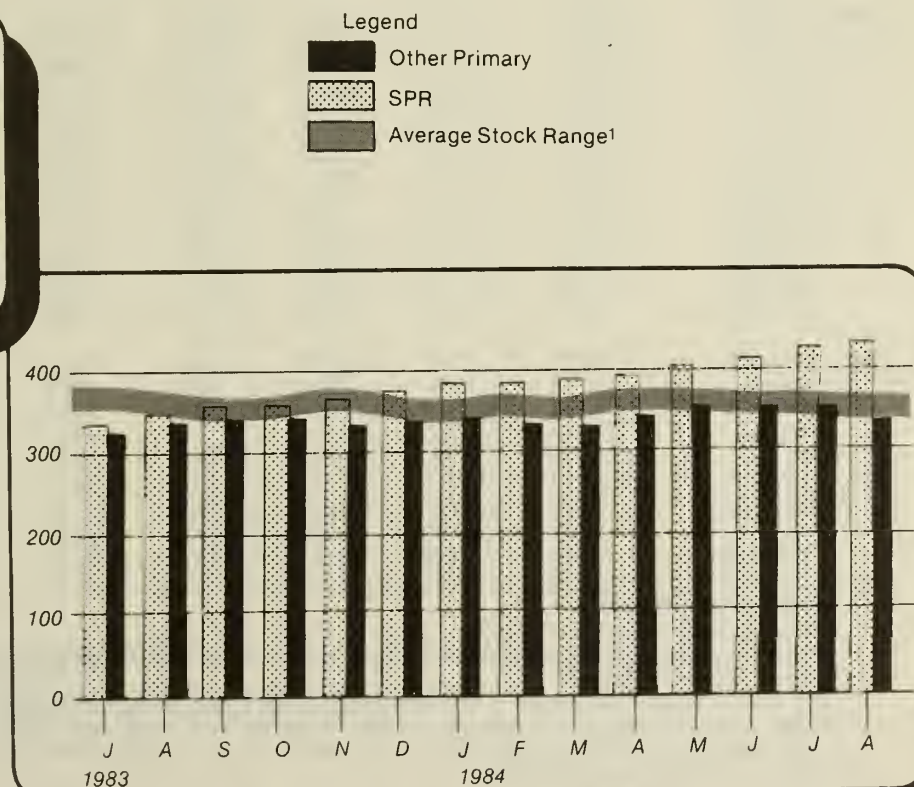
Crude Oil Ending Stocks

(Million Barrels)



Annual

Level and width of Average Stock Ranges for other primary crude oil is based on 3 years of data. Jan. 81-Dec. 83. See Explanatory Note 6.



Monthly

Monthly

Crude Oil¹ Supply and Disposition

| | | Supply | | | | | | | |
|--------------------------|-----------|-------------------|---------|---------|------------------|---------|-------------------------------|-------------------|--------------------------------------|
| | | Field Production | | Imports | | | Stock Withdrawal ³ | | Unac- counted for Crude Oil |
| | | Total Domestic | Alaskan | Total | SPR ⁴ | Other | SPR ⁴ | Other | |
| | | | | | | | | | |
| Thousand Barrels per Day | | | | | | | | | |
| 1973 | AVERAGE | 9,208 | 198 | 3,244 | | 3,244 | | 11 | 3 |
| 1974 | AVERAGE | 8,774 | 193 | 3,477 | | 3,477 | | -62 | -25 |
| 1975 | AVERAGE | 8,375 | 191 | 4,105 | | 4,105 | | -17 | 17 |
| 1976 | AVERAGE | 8,132 | 173 | 5,287 | | 5,287 | | -39 | 77 |
| 1977 | AVERAGE | 8,245 | 464 | 6,615 | 21 | 6,594 | -20 | -150 | -6 |
| 1978 | AVERAGE | 8,707 | 1,229 | 6,356 | 162 | 6,195 | -163 | 84 | -57 |
| 1979 | AVERAGE | 8,552 | 1,401 | 6,519 | 67 | 6,452 | -67 | -81 | -11 |
| 1980 | AVERAGE | 8,597 | 1,617 | 5,263 | 44 | 5,219 | -45 | -52 | 34 |
| 1981 | AVERAGE | 8,572 | 1,609 | 4,396 | 256 | 4,141 | -336 | ⁶ 46 | 83 |
| 1982 | January | 8,509 | 1,705 | 3,693 | 170 | 3,523 | -159 | -242 | 101 |
| | February | 8,702 | 1,707 | 2,990 | 159 | 2,830 | -213 | -29 | 156 |
| | March | 8,667 | 1,696 | 2,874 | 185 | 2,689 | -235 | 357 | 2 |
| | April | 8,591 | 1,691 | 2,849 | 190 | 2,659 | -233 | 196 | 231 |
| | May | 8,683 | 1,707 | 3,309 | 204 | 3,105 | -176 | 205 | 111 |
| | June | 8,646 | 1,665 | 3,836 | 105 | 3,732 | -105 | 144 | 133 |
| | July | 8,658 | 1,710 | 4,248 | 97 | 4,150 | -97 | -50 | -20 |
| | August | 8,634 | 1,697 | 3,851 | 208 | 3,643 | -208 | -232 | 189 |
| | September | 8,701 | 1,705 | 3,636 | 139 | 3,497 | -143 | 406 | -210 |
| | October | 8,701 | 1,706 | 3,670 | 216 | 3,454 | -216 | -332 | 249 |
| | November | 8,697 | 1,676 | 3,862 | 180 | 3,683 | -179 | -219 | -124 |
| | December | 8,598 | 1,682 | 3,000 | 124 | 2,877 | -125 | 252 | 35 |
| | | AVERAGE | 8,649 | 1,696 | 3,488 | 165 | 3,323 | -174 | 38 |
| 1983 | January | 8,697 | 1,732 | 2,964 | 219 | 2,746 | -219 | ⁶ -280 | 170 |
| | February | 8,758 | 1,717 | 2,267 | 197 | 2,070 | -197 | -123 | 262 |
| | March | 8,700 | 1,732 | 2,290 | 201 | 2,089 | -184 | 267 | 31 |
| | April | 8,776 | 1,721 | 3,118 | 205 | 2,913 | -197 | -205 | 98 |
| | May | 8,631 | 1,662 | 3,360 | 289 | 3,071 | -293 | 278 | 169 |
| | June | 8,667 | 1,687 | 3,577 | 190 | 3,387 | -188 | 66 | 370 |
| | July | 8,636 | 1,715 | 3,871 | 274 | 3,597 | -264 | 497 | -167 |
| | August | 8,679 | 1,697 | 4,227 | 350 | 3,876 | -358 | -438 | 281 |
| | September | 8,784 | 1,738 | 4,210 | 309 | 3,901 | -307 | 68 | -30 |
| | October | 8,771 | 1,733 | 3,446 | 202 | 3,244 | -201 | -73 | 44 |
| | November | 8,770 | 1,720 | 3,337 | 171 | 3,166 | -135 | 250 | 34 |
| | December | 8,397 | 1,711 | 3,213 | 193 | 3,020 | -252 | -78 | 117 |
| | | AVERAGE | 8,688 | 1,714 | 3,329 | 234 | 3,096 | -234 | 20 |
| 1984 | January | 8,659 | 1,741 | 3,029 | 200 | 2,829 | -173 | -169 | 451 |
| | February | 8,726 | 1,740 | 2,952 | 85 | 2,868 | -96 | 282 | 487 |
| | March | 8,718 | 1,740 | 3,455 | 148 | 3,307 | -147 | 145 | 66 |
| | April | 8,688 | 1,725 | 3,417 | 170 | 3,247 | -170 | -396 | 590 |
| | May | 8,752 | 1,793 | 3,927 | 246 | 3,681 | -245 | -371 | 463 |
| | June | 8,743 | 1,792 | 3,410 | 309 | 3,101 | -309 | 214 | 490 |
| | July* | 8,769 | 1,769 | R 3,646 | R 329 | R 3,317 | R-328 | R144 | 25 |
| | August** | 8,781 | 1,725 | 3,289 | 198 | 3,091 | -215 | 342 | NA |
| | AVERAGE | 8,730 | 1,753 | 3,394 | 211 | 3,183 | -211 | 23 | NA |

Crude Oil¹ Supply and Disposition (continued)

| | | Supply | Disposition | | | | Ending Stocks ² | | |
|------|-----------|----------------------------------|--------------|-----------------|---------|--------------------------------|----------------------------|------------------|------------------|
| | | Crude Used Directly ⁵ | Crude Losses | Refinery Inputs | Exports | Products Supplied ⁵ | Total Crude Oil | SPR ⁴ | Other Primary |
| | | Thousand Barrels per Day | | | | | Million Barrels | | |
| 1973 | AVERAGE | -19 | 13 | 12,431 | 2 | NA | 242 | | 242 |
| 1974 | AVERAGE | -15 | 13 | 12,133 | 3 | NA | 265 | | 265 |
| 1975 | AVERAGE | -17 | 13 | 12,442 | 6 | NA | 271 | | 271 |
| 1976 | AVERAGE | -18 | 15 | 13,416 | 8 | NA | 285 | | 285 |
| 1977 | AVERAGE | -14 | 16 | 14,602 | 50 | NA | 348 | | 340 |
| 1978 | AVERAGE | -14 | 16 | 14,739 | 158 | NA | 376 | 7 | 309 |
| 1979 | AVERAGE | -13 | 16 | 14,648 | 235 | NA | 430 | 91 | 339 |
| 1980 | AVERAGE | -13 | 15 | 13,481 | 287 | NA | ⁶ 466 | 108 | ⁶ 358 |
| 1981 | AVERAGE | -58 | 5 | 12,470 | 228 | NA | 594 | 230 | 363 |
| 1982 | January | -63 | 3 | 11,599 | 238 | NA | 606 | 235 | 371 |
| | February | -64 | 2 | 11,236 | 304 | NA | 613 | 241 | 372 |
| | March | -63 | 5 | 11,276 | 321 | NA | 609 | 249 | 361 |
| | April | -65 | 3 | 11,392 | 174 | NA | 610 | 256 | 355 |
| | May | -62 | 3 | 11,806 | 262 | NA | 609 | 261 | 348 |
| | June | -60 | 7 | 12,494 | 94 | NA | 608 | 264 | 344 |
| | July | -60 | 3 | 12,446 | 229 | NA | 613 | 267 | 346 |
| | August | -57 | 2 | 11,871 | 304 | NA | 626 | 274 | 353 |
| | September | -56 | 4 | 12,146 | 184 | NA | 619 | 278 | 341 |
| | October | -51 | 2 | 11,749 | 270 | NA | 636 | 285 | 351 |
| | November | -51 | 1 | 11,724 | 262 | NA | 648 | 290 | 358 |
| | December | -53 | 1 | 11,514 | 193 | NA | ⁶ 644 | 294 | ⁶ 350 |
| | AVERAGE | -59 | 3 | 11,774 | 236 | NA | | | |
| 1983 | January | NA | 2 | 11,143 | 117 | 71 | 660 | 301 | 360 |
| | February | NA | 3 | 10,633 | 262 | 71 | 669 | 306 | 363 |
| | March | NA | 2 | 10,859 | 174 | 70 | 667 | 312 | 355 |
| | April | NA | 2 | 11,433 | 88 | 68 | 679 | 318 | 361 |
| | May | NA | 1 | 11,800 | 280 | 63 | 679 | 327 | 353 |
| | June | NA | (S) | 12,284 | 144 | 64 | 683 | 332 | 351 |
| | July | NA | 2 | 12,360 | 145 | 65 | 676 | 341 | 335 |
| | August | NA | 1 | 12,152 | 172 | 64 | 700 | 352 | 349 |
| | September | NA | 1 | 12,482 | 177 | 66 | 708 | 361 | 347 |
| | October | NA | 1 | 11,782 | 140 | 63 | 716 | 367 | 349 |
| | November | NA | 2 | 12,004 | 186 | 64 | 713 | 371 | 341 |
| | December | NA | 1 | 11,234 | 95 | 67 | 723 | 379 | 344 |
| | AVERAGE | NA | 2 | 11,685 | 164 | 66 | | | |
| 1984 | January | NA | 1 | 11,579 | 153 | 64 | 733 | 384 | 348 |
| | February | NA | 1 | 12,100 | 185 | 65 | 727 | 387 | 340 |
| | March | NA | 2 | 11,936 | 236 | 62 | 728 | 392 | 336 |
| | April | NA | (S) | 11,893 | 172 | 64 | 744 | 397 | 348 |
| | May | NA | 2 | 12,243 | 219 | 62 | 764 | 404 | 359 |
| | June | NA | 2 | 12,263 | 222 | 61 | 766 | 414 | 353 |
| | July* | NA | 1 | R 12,087 | 108 | 60 | R 772 | R 424 | R 348 |
| | August** | NA | NA | 12,488 | NA | NA | 772 | 429 | 343 |
| | AVERAGE | NA | NA | 12,073 | NA | NA | | | |

Footnotes continued.

* See Explanatory Note 9.2.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Crude Oil and Petroleum Product Imports

| | | Imports from OPEC Sources ¹ | | | | | | | | | |
|------|-----------|--|-------|--------------|----------------------|-----------|------|---------|-----------|-------------------------|------------------------------|
| | | Algeria | Libya | Saudi Arabia | United Arab Emirates | Indonesia | Iran | Nigeria | Venezuela | Other OPEC ² | Total Arab OPEC ³ |
| | | Thousand Barrels per Day | | | | | | | | | |
| 1973 | AVERAGE | 136 | 164 | 486 | 71 | 213 | 223 | 459 | 1,135 | 106 | 2,993 |
| 1974 | AVERAGE | 190 | 4 | 461 | 74 | 300 | 469 | 713 | 979 | 88 | 3,280 |
| 1975 | AVERAGE | 282 | 232 | 715 | 117 | 390 | 280 | 762 | 702 | 122 | 3,601 |
| 1976 | AVERAGE | 432 | 453 | 1,230 | 254 | 539 | 298 | 1,025 | 700 | 134 | 5,066 |
| 1977 | AVERAGE | 559 | 723 | 1,380 | 335 | 541 | 535 | 1,143 | 690 | 287 | 6,193 |
| 1978 | AVERAGE | 649 | 654 | 1,144 | 385 | 573 | 555 | 919 | 645 | 226 | 5,751 |
| 1979 | AVERAGE | 636 | 658 | 1,356 | 281 | 420 | 304 | 1,080 | 690 | 212 | 5,637 |
| 1980 | AVERAGE | 488 | 554 | 1,261 | 172 | 348 | 9 | 857 | 481 | 130 | 4,300 |
| 1981 | AVERAGE | 311 | 319 | 1,129 | 81 | 366 | 0 | 620 | 406 | 90 | 3,323 |
| 1982 | January | 254 | 161 | 877 | 111 | 289 | 0 | 663 | 376 | 128 | 2,859 |
| | February | 139 | 92 | 693 | 89 | 244 | 0 | 584 | 355 | 102 | 2,297 |
| | March | 91 | 37 | 555 | 155 | 200 | 0 | 522 | 399 | 91 | 2,051 |
| | April | 85 | 0 | 511 | 122 | 215 | 0 | 427 | 426 | 85 | 1,871 |
| | May | 179 | 0 | 601 | 116 | 236 | 0 | 222 | 422 | 54 | 1,830 |
| | June | 115 | 0 | 593 | 94 | 215 | 72 | 537 | 361 | 110 | 2,096 |
| | July | 159 | 0 | 660 | 108 | 327 | 69 | 910 | 356 | 95 | 2,685 |
| | August | 181 | 0 | 489 | 133 | 271 | 27 | 574 | 299 | 133 | 2,107 |
| | September | 179 | 0 | 432 | 57 | 191 | 21 | 477 | 518 | 69 | 1,943 |
| | October | 249 | 7 | 494 | 61 | 242 | 108 | 313 | 504 | 106 | 2,084 |
| | November | 247 | 14 | 489 | 47 | 283 | 34 | 479 | 528 | 115 | 2,235 |
| | December | 155 | 0 | 237 | 12 | 265 | 88 | 462 | 399 | 73 | 1,690 |
| | AVERAGE | 170 | 26 | 552 | 92 | 248 | 35 | 514 | 412 | 97 | 2,146 |
| 1983 | January | 207 | 0 | 282 | 47 | 255 | 43 | 186 | 337 | 54 | 1,412 |
| | February | 115 | 0 | 214 | 9 | 217 | 0 | 92 | 393 | 28 | 1,068 |
| | March | 63 | 0 | 103 | 0 | 138 | 0 | 121 | 440 | 201 | 1,066 |
| | April | 227 | 0 | 162 | (^s) | 210 | 0 | 186 | 523 | 125 | 1,432 |
| | May | 286 | 0 | 122 | 12 | 405 | 37 | 385 | 455 | 69 | 1,771 |
| | June | 300 | 0 | 188 | 40 | 466 | 38 | 467 | 335 | 138 | 1,973 |
| | July | 283 | 0 | 182 | 64 | 464 | 112 | 525 | 434 | 187 | 2,251 |
| | August | 378 | 0 | 448 | 52 | 433 | 213 | 464 | 511 | 230 | 2,728 |
| | September | 423 | 0 | 587 | 21 | 501 | 86 | 324 | 432 | 221 | 2,595 |
| | October | 261 | 0 | 638 | 16 | 368 | 12 | 307 | 337 | 169 | 2,108 |
| | November | 184 | 0 | 545 | 56 | 302 | 21 | 215 | 452 | 135 | 1,910 |
| | December | 144 | 0 | 569 | 45 | 294 | 9 | 329 | 415 | 163 | 1,969 |
| | AVERAGE | 240 | 0 | 337 | 30 | 338 | 48 | 302 | 422 | 144 | 1,862 |
| 1984 | January | 242 | 0 | 463 | 114 | 278 | 0 | 243 | 547 | 51 | 1,939 |
| | February | 348 | 0 | 324 | 33 | 267 | 0 | 244 | 481 | 174 | 1,871 |
| | March | 283 | 0 | 307 | 112 | 284 | 67 | 260 | 354 | 127 | 1,792 |
| | April | 280 | 0 | 320 | 95 | 221 | 0 | 288 | 581 | 158 | 1,944 |
| | May | 456 | 0 | 329 | 240 | 480 | 0 | 289 | 621 | 242 | 2,657 |
| | June | 284 | 0 | 411 | 46 | 415 | 0 | 243 | 574 | 139 | 2,112 |
| | July | 332 | 0 | 429 | 112 | 384 | 0 | 204 | 535 | 242 | 2,237 |
| | AVERAGE | 318 | 0 | 370 | 109 | 333 | 10 | 253 | 528 | 162 | 2,081 |

¹ Excludes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

² Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.

³ Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

Footnotes continued on following page.

Crude Oil and Petroleum Product Imports (continued)

| | | Imports from Non-OPEC Sources ⁴ | | | | | | | | | | |
|------|-----------|--|--------|--------|------------------------------|---------------------------|-------------------|----------------|-------------------|----------------------|----------------------|------------------|
| | | Baha- mas | Canada | Mexico | Nether- lands Antilles | Trinidad and Tobago | United Kingdom | Puerto Rico | Virgin Islands | Other Non OPEC | Total Non OPEC | Total Imports |
| | | Thousand Barrels per Day | | | | | | | | | | |
| 1973 | AVERAGE | 174 | 1,325 | 16 | 585 | 255 | 15 | 99 | 329 | 465 | 3,263 | 6,256 |
| 1974 | AVERAGE | 164 | 1,070 | 8 | 511 | 251 | 8 | 90 | 391 | 340 | 2,832 | 6,112 |
| 1975 | AVERAGE | 152 | 846 | 71 | 332 | 242 | 14 | 90 | 406 | 300 | 2,454 | 6,056 |
| 1976 | AVERAGE | 118 | 599 | 87 | 275 | 274 | 31 | 88 | 422 | 353 | 2,247 | 7,313 |
| 1977 | AVERAGE | 171 | 517 | 179 | 211 | 289 | 126 | 105 | 466 | 550 | 2,614 | 8,807 |
| 1978 | AVERAGE | 160 | 467 | 318 | 229 | 253 | 180 | 94 | 429 | 484 | 2,613 | 8,363 |
| 1979 | AVERAGE | 147 | 538 | 439 | 231 | 190 | 202 | 92 | 431 | 548 | 2,819 | 8,456 |
| 1980 | AVERAGE | 78 | 455 | 533 | 225 | 176 | 176 | 88 | 388 | 491 | 2,609 | 6,909 |
| 1981 | AVERAGE | 74 | 447 | 522 | 197 | 133 | 375 | 62 | 327 | 534 | 2,672 | 5,996 |
| 1982 | January | 58 | 513 | 425 | 179 | 106 | 346 | 62 | 334 | 452 | 2,474 | 5,332 |
| | February | 67 | 537 | 476 | 221 | 120 | 181 | 38 | 362 | 508 | 2,510 | 4,807 |
| | March | 43 | 437 | 503 | 189 | 118 | 294 | 62 | 307 | 480 | 2,433 | 4,484 |
| | April | 82 | 360 | 476 | 184 | 166 | 247 | 36 | 266 | 690 | 2,507 | 4,378 |
| | May | 77 | 419 | 766 | 152 | 95 | 516 | 47 | 302 | 607 | 2,981 | 4,811 |
| | June | 32 | 481 | 797 | 148 | 129 | 557 | 58 | 322 | 708 | 3,231 | 5,327 |
| | July | 64 | 536 | 783 | 158 | 118 | 433 | 38 | 376 | 698 | 3,204 | 5,890 |
| | August | 80 | 443 | 853 | 145 | 106 | 520 | 24 | 317 | 650 | 3,137 | 5,244 |
| | September | 92 | 493 | 897 | 195 | 89 | 631 | 51 | 278 | 746 | 3,472 | 5,414 |
| | October | 45 | 459 | 682 | 148 | 109 | 666 | 52 | 262 | 801 | 3,222 | 5,306 |
| | November | 51 | 553 | 860 | 212 | 90 | 623 | 81 | 334 | 706 | 3,508 | 5,744 |
| | December | 88 | 561 | 689 | 174 | 102 | 438 | 48 | 336 | 480 | 2,916 | 4,606 |
| | AVERAGE | 65 | 482 | 685 | 175 | 112 | 456 | 50 | 316 | 627 | 2,968 | 5,113 |
| 1983 | January | 68 | 534 | 849 | 228 | 73 | 314 | 40 | 299 | 621 | 3,026 | 4,438 |
| | February | 92 | 586 | 722 | 183 | 81 | 193 | 50 | 192 | 558 | 2,658 | 3,726 |
| | March | 86 | 488 | 775 | 187 | 78 | 240 | 43 | 162 | 565 | 2,624 | 3,690 |
| | April | 174 | 454 | 981 | 216 | 85 | 421 | 20 | 183 | 759 | 3,295 | 4,727 |
| | May | 135 | 518 | 944 | 153 | 108 | 484 | 42 | 235 | 699 | 3,318 | 5,089 |
| | June | 137 | 586 | 830 | 173 | 120 | 440 | 48 | 262 | 757 | 3,353 | 5,326 |
| | July | 69 | 634 | 849 | 198 | 107 | 369 | 37 | 364 | 864 | 3,490 | 5,741 |
| | August | 144 | 542 | 906 | 197 | 90 | 461 | 40 | 313 | 738 | 3,431 | 6,159 |
| | September | 148 | 533 | 849 | 261 | 82 | 475 | 33 | 307 | 845 | 3,534 | 6,129 |
| | October | 171 | 532 | 771 | 172 | 106 | 414 | 48 | 357 | 580 | 3,151 | 5,258 |
| | November | 148 | 556 | 726 | 144 | 110 | 334 | 55 | 427 | 801 | 3,300 | 5,210 |
| | December | 127 | 604 | 710 | 153 | 113 | 429 | 22 | 278 | 628 | 3,063 | 5,033 |
| | AVERAGE | 125 | 547 | 826 | 189 | 96 | 382 | 40 | 282 | 701 | 3,189 | 5,051 |
| 1984 | January | 152 | 624 | 705 | 277 | 54 | 382 | 53 | 390 | 772 | 3,408 | 5,347 |
| | February | 142 | 620 | 747 | 288 | 77 | 338 | 58 | 418 | 1,083 | 3,772 | 5,643 |
| | March | 88 | 726 | 707 | 169 | 93 | 400 | 34 | 247 | 996 | 3,460 | 5,253 |
| | April | 88 | 691 | 859 | 207 | 91 | 282 | 37 | 257 | 863 | 3,375 | 5,319 |
| | May | 31 | 715 | 675 | 192 | 57 | 418 | 38 | 336 | 796 | 3,259 | 5,916 |
| | June | 50 | 499 | 732 | 234 | 104 | 318 | 53 | 268 | 934 | 3,192 | 5,304 |
| | July | 14 | 574 | 738 | 99 | 120 | 362 | 27 | 292 | 924 | 3,150 | 5,387 |
| | AVERAGE | 80 | 636 | 737 | 209 | 85 | 358 | 43 | 315 | 908 | 3,371 | 5,452 |

Footnotes continued.

⁴ Includes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

(⁵) = Less than 500 barrels per day.

Note: Beginning in October 1977, Strategic Petroleum Reserve imports are included.

Total may not equal sum of components due to independent rounding.

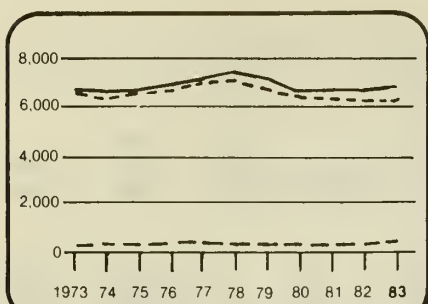
Geographic coverage: The 50 United States and the District of Columbia.

Source: See the last page of this section.

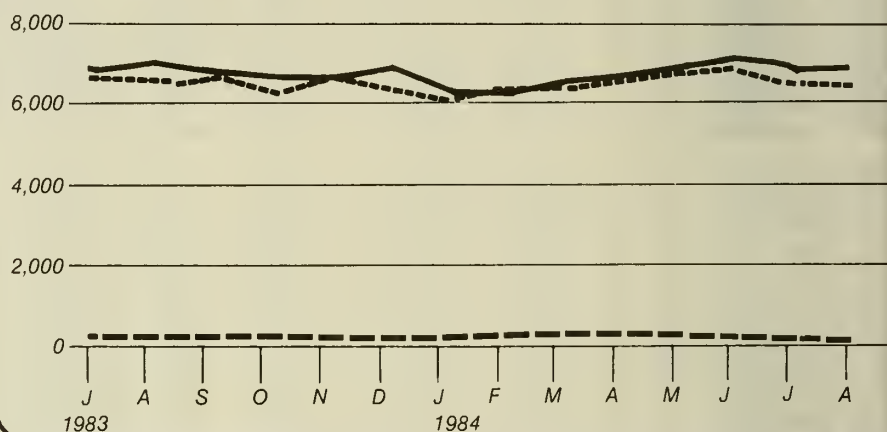
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Motor Gasoline Supply and Disposition

(Thousand Barrels Per Day)

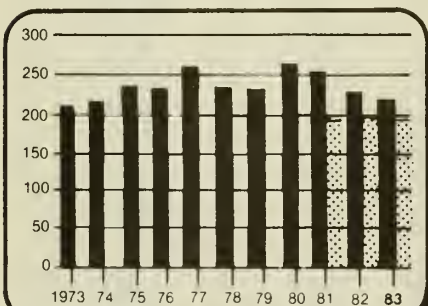


Annual



Motor Gasoline Ending Stocks

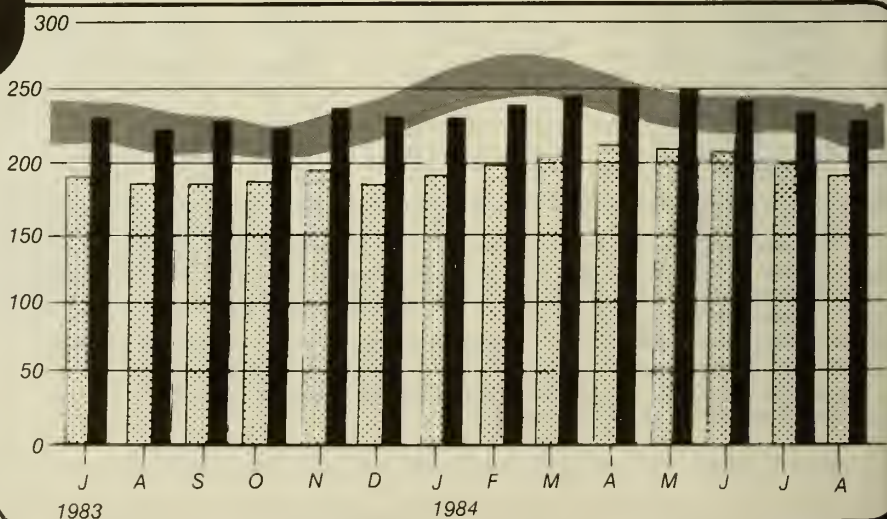
(Million Barrels)



Annual

¹ Includes motor gasoline blending components and finished motor gasoline.

² Level and width of Average Stock Range for total motor gasoline based on 3 years of data. Jan. 81-Dec. 83. See Explanatory Note 6.



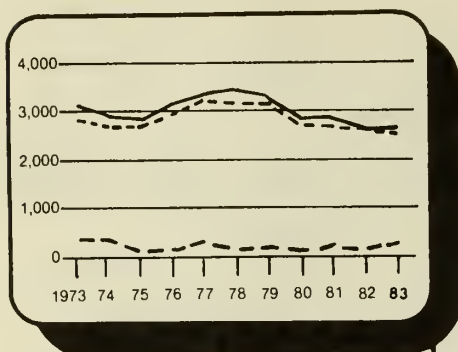
Finished Motor Gasoline Supply and Disposition

| | | Supply | | | Disposition | | | | Ending Stocks ¹ | | |
|-----------|----------------------|--------------------------|----------------------|---|-------------------|-------------------|-----------------------|----------|---|-------------------------------|-----|
| | | Total Produc- tion | Imports ² | Stock With- drawal ^{2 3} | Exports | Products Supplied | | | Total Motor Gasoline ⁵ | Finished Motor Gasoline | |
| | | | | | | Total | Unleaded ⁴ | Unleaded | | | |
| | | | | | | | | | Thousand Barrels per Day | | |
| 973 | AVERAGE | 6,535 | 134 | 9 | 4 | 6,674 | NA | NA | 209 | | |
| 974 | AVERAGE | 6,360 | 204 | -24 | 2 | 6,537 | NA | NA | ⁶ 218 | | |
| 975 | AVERAGE | 6,520 | 184 | ⁶ -28 | 2 | 6,675 | NA | NA | 235 | | |
| 976 | AVERAGE | 6,841 | 131 | 10 | 3 | 6,978 | NA | NA | 231 | | |
| 977 | AVERAGE | 7,033 | 217 | -72 | 2 | 7,177 | 1,976 | 27.5 | 258 | | |
| 978 | AVERAGE | 7,169 | 190 | 54 | 1 | 7,412 | 2,521 | 34.0 | 238 | | |
| 979 | AVERAGE | 6,852 | 181 | 2 | (^s) | 7,034 | 2,798 | 39.8 | 237 | | |
| 980 | AVERAGE | 6,506 | 140 | -66 | 1 | 6,579 | 3,067 | 46.6 | ⁶ 261 | | |
| 981 | AVERAGE ⁷ | 6,405 | 157 | ⁶ 28 | 2 | 6,588 | 3,264 | 49.5 | 253 | | |
| 982 | January | 6,167 | 128 | -316 | 18 | 5,961 | 3,067 | 51.5 | 261 | 213 | |
| | February | 5,899 | 133 | 172 | 8 | 6,196 | 3,210 | 51.8 | 257 | 208 | |
| | March | 5,994 | 183 | 334 | 44 | 6,466 | 3,358 | 51.9 | 247 | 198 | |
| | April | 6,095 | 185 | 650 | 33 | 6,897 | 3,495 | 50.7 | 221 | 179 | |
| | May | 6,319 | 182 | 177 | 23 | 6,655 | 3,415 | 51.3 | 214 | 173 | |
| | June | 6,754 | 230 | -134 | 14 | 6,835 | 3,565 | 52.2 | 219 | 177 | |
| | July | 6,768 | 225 | -178 | 24 | 6,790 | 3,577 | 52.7 | 226 | 183 | |
| | August | 6,419 | 291 | -81 | 16 | 6,614 | 3,526 | 53.3 | 227 | 185 | |
| | September | 6,527 | 223 | -198 | 22 | 6,531 | 3,404 | 52.1 | 234 | 191 | |
| | October | 6,262 | 185 | -42 | 15 | 6,391 | 3,351 | 52.4 | 234 | 192 | |
| | November | 6,273 | 211 | 101 | 11 | 6,574 | 3,451 | 52.5 | 230 | 189 | |
| | December | 6,542 | 178 | -165 | 7 | 6,549 | 3,485 | 53.2 | ⁶ 235 | ⁶ 194 | |
| | | AVERAGE | 6,338 | 197 | 25 | 20 | 6,539 | 3,409 | 52.1 | | |
| | 983 | January | 6,065 | 153 | ⁶ -167 | (^s) | 6,051 | 3,364 | 55.6 | 250 | 207 |
| February | | 5,848 | 128 | 24 | (^s) | 6,000 | 3,264 | 54.4 | 250 | 207 | |
| March | | 5,906 | 186 | 768 | 23 | 6,836 | 3,622 | 53.0 | 223 | 183 | |
| April | | 6,201 | 255 | -3 | 1 | 6,452 | 3,492 | 54.1 | 221 | 183 | |
| May | | 6,397 | 305 | -83 | 1 | 6,617 | 3,558 | 53.8 | 223 | 185 | |
| June | | 6,655 | 277 | 84 | 22 | 6,994 | 3,792 | 54.2 | 223 | 183 | |
| July | | 6,707 | 302 | -225 | 18 | 6,765 | 3,746 | 55.4 | 231 | 190 | |
| August | | 6,537 | 250 | 161 | 13 | 6,936 | 3,836 | 55.3 | 226 | 185 | |
| September | | 6,611 | 279 | -149 | 14 | 6,727 | 3,691 | 54.9 | 229 | 189 | |
| October | | 6,188 | 330 | 72 | 2 | 6,588 | 3,711 | 56.3 | 227 | 187 | |
| November | | 6,634 | 269 | -298 | 2 | 6,603 | 3,692 | 55.9 | 236 | 196 | |
| December | | 6,308 | 224 | 339 | 25 | 6,846 | 3,966 | 57.9 | 222 | 186 | |
| | | AVERAGE | 6,340 | 247 | 45 | 10 | 6,622 | 3,647 | 55.1 | | |
| 984 | | January | 6,037 | 233 | -1 | 1 | 6,268 | 3,606 | 57.5 | 225 | 186 |
| | February | 6,320 | 303 | -384 | 2 | 6,237 | 3,585 | 57.5 | 237 | 197 | |
| | March | 6,375 | 343 | -197 | 9 | 6,512 | 3,747 | 57.5 | 243 | 203 | |
| | April | 6,528 | 308 | -153 | (^s) | 6,682 | 3,854 | 57.7 | 248 | 207 | |
| | May | 6,650 | 329 | -106 | (^s) | 6,873 | 3,990 | 58.1 | 253 | 211 | |
| | June | 6,620 | 272 | 217 | 17 | 7,092 | 4,210 | 59.4 | 245 | 204 | |
| | July* | R 6,481 | R 247 | R 130 | 9 | R 6,849 | 4,094 | 59.8 | R 239 | R 200 | |
| | August** | 6,493 | 198 | 250 | NA | 6,949 | NA | NA | 228 | 190 | |
| | | AVERAGE | 6,438 | 279 | -28 | NA | 6,685 | NA | NA | | |

- ¹ Stocks are totals as of end of period.
- ² Beginning in 1981, excludes blending components.
- ³ A negative number indicates an increase in stocks and a positive number indicates a decrease.
- ⁴ Includes gasohol.
- ⁵ Includes motor gasoline blending components.
- ⁶ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.
- ⁷ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.
- * See Explanatory Note 9.3.
- ** Italics denote estimates based upon preliminary data. See Explanatory Note 8.
- R = Revised data. NA = Not available. (^s) = Less than 500 barrels per day.
- Note: Geographic coverage is the 50 United States and the District of Columbia.
- Total may not equal sum of components due to independent rounding.
- Source: See the last page of this section.

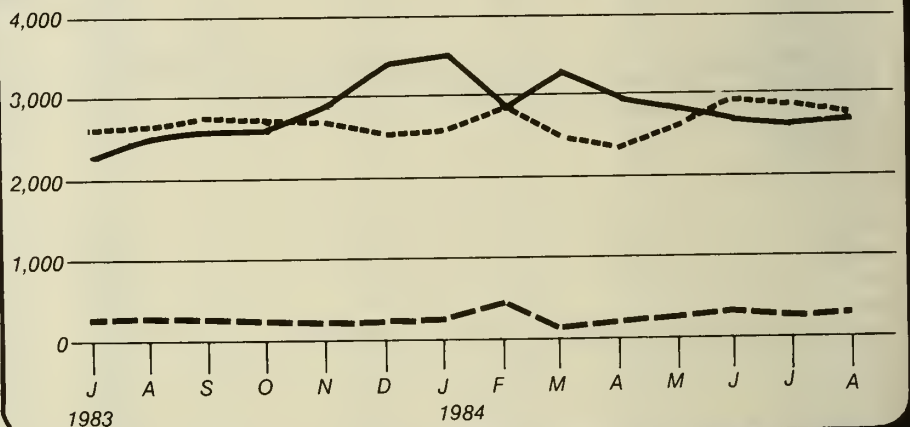
Distillate Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



Annual

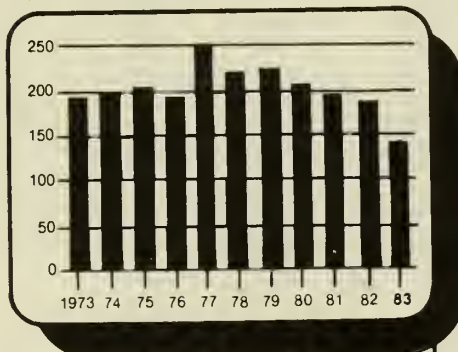
Legend
 — Product Supplied
 - - - Total Production
 . . . Imports



Monthly

Distillate Fuel Oil Ending Stocks

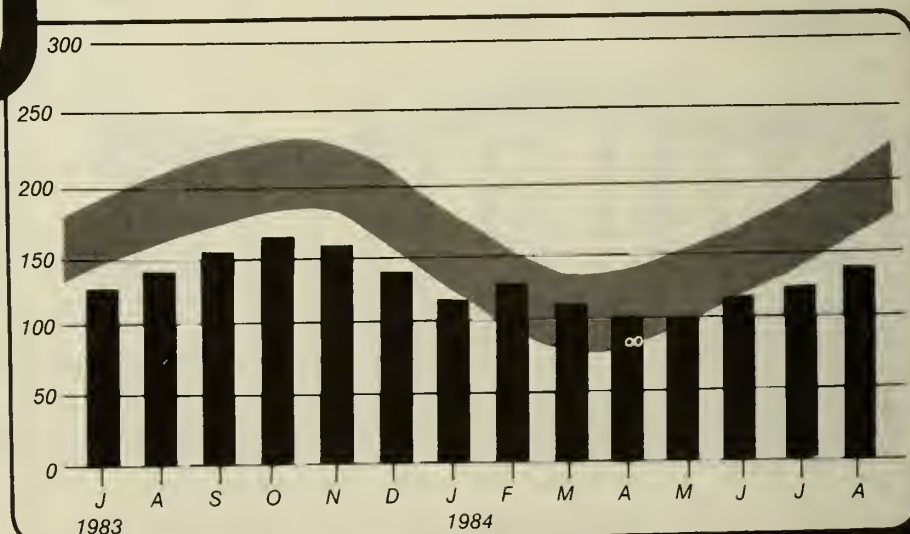
(Million Barrels)



Annual

Legend

■ Average Stock Range ¹



Monthly

¹ Level and width of Average Stock Range for distillate fuel oil is based on 3 years of data. Jan. 81-Dec. 83. See Explanatory Note 6.

Distillate Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | AVERAGE | 2,822 | 392 | -115 | 2 | 9 | 3,092 | 196 |
| 1974 | AVERAGE | 2,669 | 289 | -9 | 2 | 2 | 2,948 | ⁴ 200 |
| 1975 | AVERAGE | 2,654 | 155 | ⁴ 40 | 2 | 1 | 2,851 | 209 |
| 1976 | AVERAGE | 2,924 | 146 | 62 | 1 | 1 | 3,133 | 186 |
| 1977 | AVERAGE | 3,278 | 250 | -176 | 1 | 1 | 3,352 | 250 |
| 1978 | AVERAGE | 3,167 | 173 | 93 | 1 | 3 | 3,432 | 216 |
| 1979 | AVERAGE | 3,153 | 193 | -34 | 1 | 3 | 3,311 | 229 |
| 1980 | AVERAGE | 2,662 | 142 | 64 | 1 | 3 | 2,866 | ⁴ 205 |
| 1981 | AVERAGE ⁵ | 2,613 | 173 | ⁴ 38 | 10 | 5 | 2,829 | 192 |
| | | | | | | | | |
| 1982 | January | 2,591 | 97 | 876 | 10 | 90 | 3,484 | 164 |
| | February | 2,427 | 132 | 605 | 11 | 90 | 3,085 | 147 |
| | March | 2,288 | 48 | 682 | 10 | 84 | 2,945 | 126 |
| | April | 2,358 | 59 | 612 | 13 | 64 | 2,978 | 108 |
| | May | 2,618 | 74 | -183 | 10 | 75 | 2,444 | 114 |
| | June | 2,729 | 102 | -335 | 10 | 55 | 2,452 | 124 |
| | July | 2,734 | 125 | -789 | 11 | 24 | 2,058 | 148 |
| | August | 2,507 | 80 | -339 | 10 | 40 | 2,218 | 159 |
| | September | 2,657 | 61 | -85 | 12 | 139 | 2,507 | 161 |
| | October | 2,838 | 91 | -289 | 8 | 66 | 2,581 | 170 |
| | November | 2,860 | 145 | -514 | 8 | 24 | 2,475 | 186 |
| | December | 2,655 | 109 | 225 | 10 | 143 | 2,855 | ⁴ 179 |
| | AVERAGE | 2,606 | 93 | 35 | 10 | 74 | 2,671 | |
| | | | | | | | | |
| 1983 | January | 2,321 | 68 | ⁴ 580 | NA | 173 | 2,797 | 168 |
| | February | 2,135 | 59 | 691 | NA | 105 | 2,780 | 148 |
| | March | 1,993 | 42 | 971 | NA | 59 | 2,947 | 118 |
| | April | 2,171 | 73 | 500 | NA | 47 | 2,697 | 103 |
| | May | 2,444 | 147 | -186 | NA | 50 | 2,354 | 109 |
| | June | 2,546 | 179 | -161 | NA | 40 | 2,524 | 114 |
| | July | 2,604 | 267 | -546 | NA | 55 | 2,270 | 131 |
| | August | 2,615 | 301 | -379 | NA | 43 | 2,495 | 142 |
| | September | 2,739 | 259 | -386 | NA | 37 | 2,575 | 154 |
| | October | 2,681 | 260 | -276 | NA | 55 | 2,611 | 163 |
| | November | 2,680 | 203 | 45 | NA | 54 | 2,874 | 161 |
| | December | 2,522 | 221 | 676 | NA | 54 | 3,365 | 140 |
| | AVERAGE | 2,456 | 174 | 124 | NA | 64 | 2,690 | |
| | | | | | | | | |
| 1984 | January | 2,585 | 270 | 676 | NA | 40 | 3,490 | 119 |
| | February | 2,864 | 458 | -439 | NA | 41 | 2,842 | 132 |
| | March | 2,480 | 115 | 727 | NA | 66 | 3,256 | 110 |
| | April | 2,347 | 220 | 393 | NA | 32 | 2,929 | 98 |
| | May | 2,633 | 252 | -10 | NA | 48 | 2,827 | 98 |
| | June | 2,879 | 266 | -490 | NA | 53 | 2,602 | 113 |
| | July* | R 2,736 | R 198 | R -375 | NA | 40 | R 2,518 | 125 |
| | August** | 2,719 | 268 | -345 | NA | NA | 2,580 | 136 |
| | AVERAGE | 2,654 | 254 | 21 | NA | NA | 2,882 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

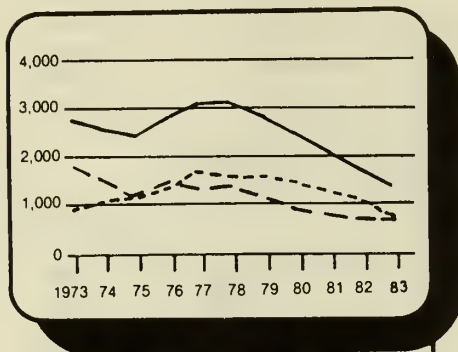
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

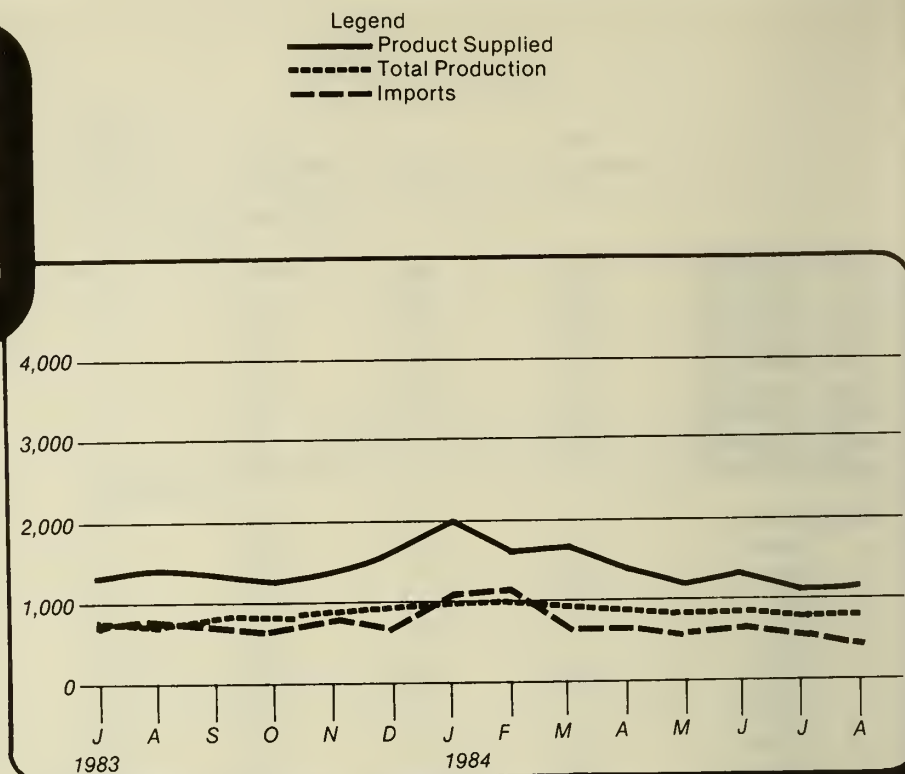
Source: See the last page of this section.

Residual Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



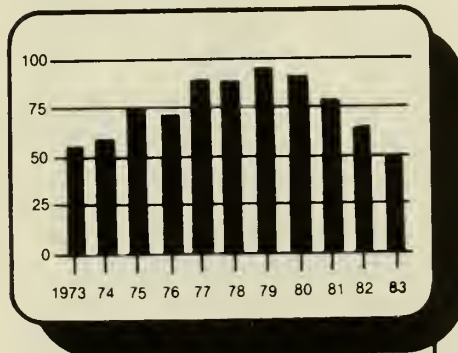
Annual



Monthly

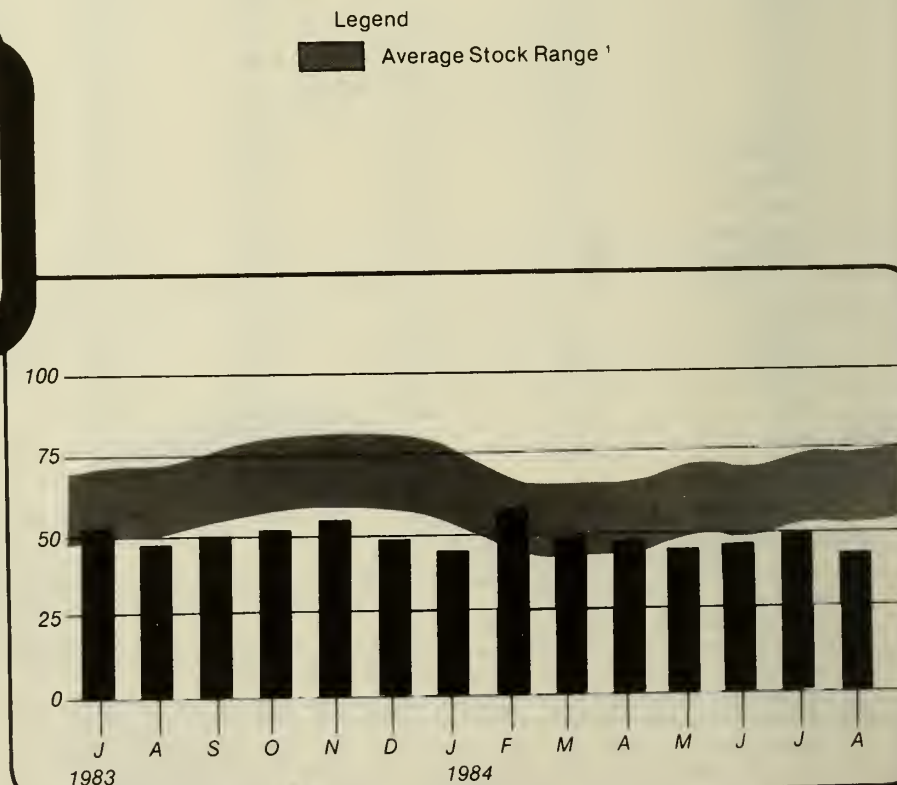
Residual Fuel Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for residual fuel oil based on 3 years of data. Jan. 81-Dec. 83. See Explanatory Note 6.



Monthly

Residual Fuel Oil Supply and Disposition

| | Supply | | | | Disposition | | Ending Stocks ¹ |
|---------------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 AVERAGE | 971 | 1,853 | 5 | 17 | 23 | 2,822 | 53 |
| 1974 AVERAGE | 1,070 | 1,587 | -17 | 13 | 14 | 2,639 | ⁴ 60 |
| 1975 AVERAGE | 1,235 | 1,223 | ⁴ 2 | 15 | 15 | 2,462 | 74 |
| 1976 AVERAGE | 1,377 | 1,413 | 5 | 17 | 12 | 2,801 | 72 |
| 1977 AVERAGE | 1,754 | 1,359 | -48 | 13 | 6 | 3,071 | 90 |
| 1978 AVERAGE | 1,667 | 1,355 | -1 | 13 | 13 | 3,023 | 90 |
| 1979 AVERAGE | 1,687 | 1,151 | -15 | 12 | 9 | 2,826 | 96 |
| 1980 AVERAGE | 1,580 | 939 | 10 | 12 | 33 | 2,508 | ⁴ 92 |
| 1981 AVERAGE ⁵ | 1,321 | 800 | ⁴ 37 | 48 | 118 | 2,088 | 78 |
| 1982 January | 1,235 | 831 | 301 | 53 | 235 | 2,185 | 69 |
| February | 1,186 | 956 | 363 | 53 | 213 | 2,344 | 58 |
| March | 1,123 | 912 | 12 | 53 | 197 | 1,903 | 58 |
| April | 1,166 | 788 | 150 | 52 | 234 | 1,923 | 54 |
| May | 1,128 | 742 | -172 | 52 | 191 | 1,560 | 59 |
| June | 1,074 | 652 | -57 | 50 | 217 | 1,501 | 61 |
| July | 1,028 | 657 | 56 | 49 | 239 | 1,550 | 59 |
| August | 965 | 551 | 203 | 47 | 235 | 1,531 | 53 |
| September | 1,008 | 872 | -306 | 44 | 148 | 1,470 | 62 |
| October | 955 | 783 | -57 | 43 | 234 | 1,490 | 64 |
| November | 989 | 837 | -94 | 43 | 182 | 1,591 | 66 |
| December | 989 | 747 | 6 | 43 | 186 | 1,598 | ⁴ 66 |
| AVERAGE | 1,070 | 776 | 32 | 48 | 209 | 1,716 | |
| 1983 January | 972 | 691 | ⁴ 258 | NA | 294 | 1,626 | 61 |
| February | 857 | 647 | 257 | NA | 191 | 1,570 | 53 |
| March | 835 | 686 | 227 | NA | 169 | 1,579 | 46 |
| April | 941 | 753 | -10 | NA | 310 | 1,374 | 47 |
| May | 936 | 738 | -141 | NA | 190 | 1,342 | 51 |
| June | 828 | 677 | 36 | NA | 218 | 1,323 | 50 |
| July | 769 | 684 | -64 | NA | 90 | 1,299 | 52 |
| August | 710 | 739 | 115 | NA | 165 | 1,400 | 48 |
| September | 826 | 706 | -47 | NA | 134 | 1,351 | 50 |
| October | 807 | 638 | -50 | NA | 153 | 1,243 | 51 |
| November | 845 | 780 | -97 | NA | 167 | 1,362 | 54 |
| December | 897 | 649 | 182 | NA | 141 | 1,587 | 49 |
| AVERAGE | 852 | 699 | 55 | NA | 185 | 1,421 | |
| 1984 January | 953 | 1,061 | 119 | NA | 151 | 1,981 | 45 |
| February | 1,003 | 1,107 | -420 | NA | 87 | 1,602 | 58 |
| March | 887 | 633 | 321 | NA | 204 | 1,637 | 48 |
| April | 840 | 637 | 9 | NA | 130 | 1,357 | 47 |
| May | 829 | 554 | 35 | NA | 200 | 1,218 | 46 |
| June | 841 | 676 | -17 | NA | 176 | 1,324 | 47 |
| July* | R 792 | R 596 | R-77 | NA | 99 | R1,213 | R49 |
| August** | 802 | 458 | 121 | NA | NA | 1,202 | 43 |
| AVERAGE | 867 | 712 | 15 | NA | NA | 1,441 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (°) = Less than 500 barrels per day.

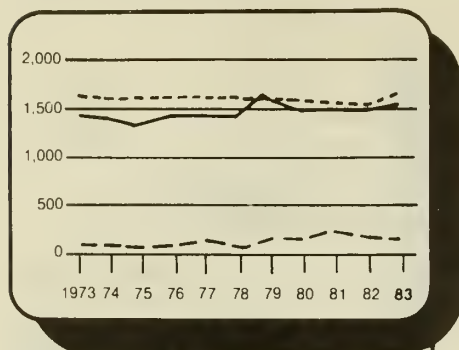
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

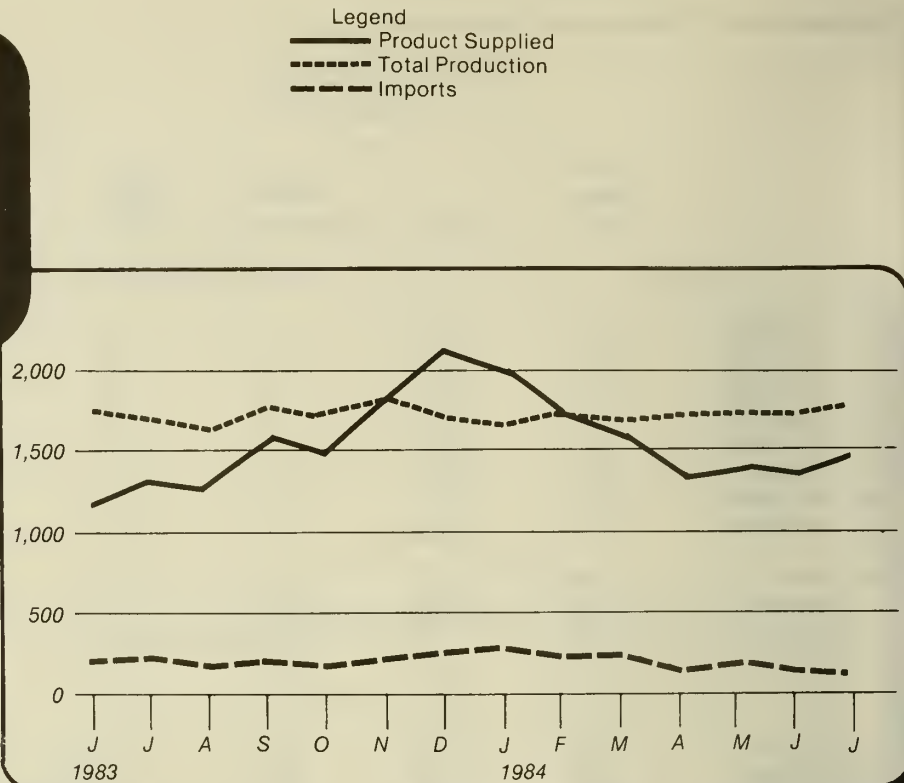
Source: See the last page of this section.

Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels Per Day)



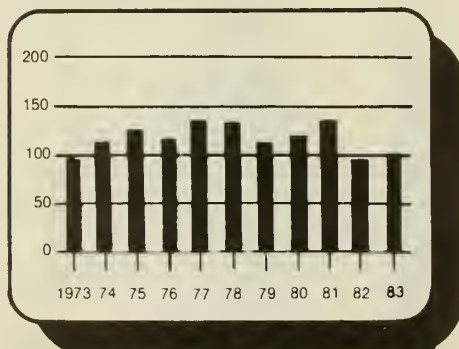
Annual



Month

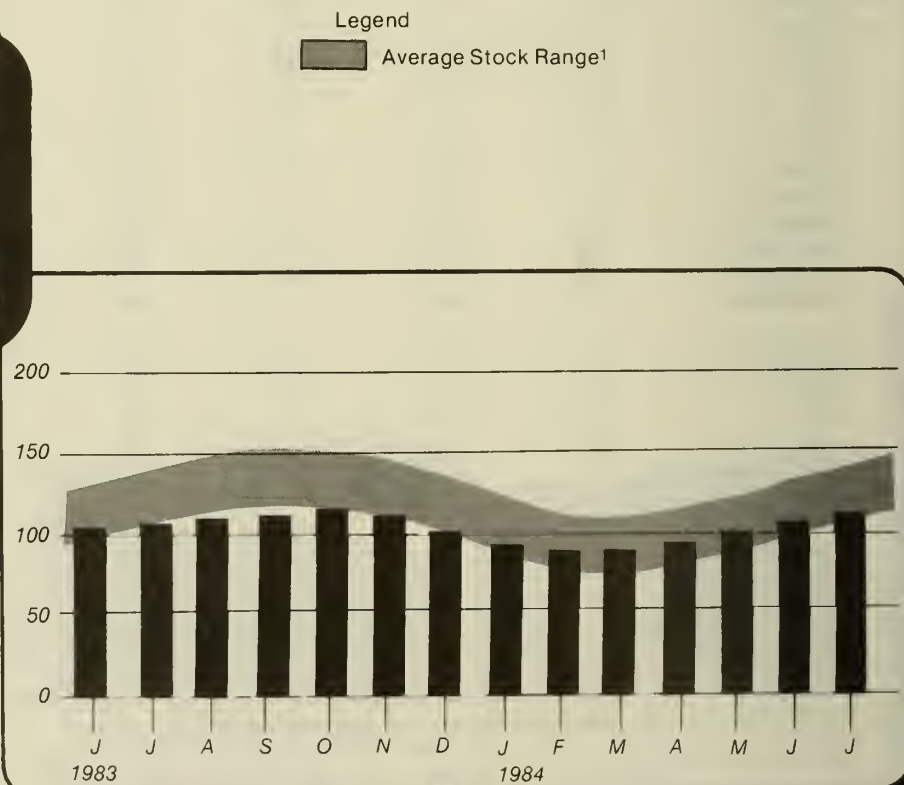
Liquefied Petroleum Gases Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock range for liquefied petroleum gases based on 3 years of data. Jan. 81-Dec. 83. See Explanatory Note 6.



Month

Liquefied Petroleum Gases¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | AVERAGE | 1,600 | 132 | -35 | 220 | 27 | 1,449 | 99 |
| 1974 | AVERAGE | 1,565 | 123 | -38 | 220 | 25 | 1,406 | ⁴ 113 |
| 1975 | AVERAGE | 1,527 | 112 | ⁴ -35 | 246 | 26 | 1,333 | 125 |
| 1976 | AVERAGE | 1,535 | 130 | 24 | 260 | 25 | 1,404 | 116 |
| 1977 | AVERAGE | 1,566 | 161 | -55 | 233 | 18 | 1,422 | 136 |
| 1978 | AVERAGE | 1,537 | 123 | 12 | 239 | 20 | 1,413 | 132 |
| 1979 | AVERAGE | 1,556 | 217 | 70 | 236 | 15 | 1,592 | 111 |
| 1980 | AVERAGE | 1,535 | 216 | -27 | 233 | 21 | 1,469 | ⁴ 120 |
| 1981 | AVERAGE | 1,571 | 244 | ⁴ -18 | 289 | 42 | 1,466 | 135 |
| 1982 | January | 1,565 | 314 | 443 | 391 | 67 | 1,863 | 121 |
| | February | 1,466 | 291 | 243 | 327 | 51 | 1,621 | 114 |
| | March | 1,544 | 223 | 211 | 289 | 74 | 1,615 | 108 |
| | April | 1,506 | 188 | 98 | 257 | 77 | 1,458 | 105 |
| | May | 1,565 | 186 | -71 | 234 | 43 | 1,403 | 107 |
| | June | 1,515 | 192 | -86 | 262 | 106 | 1,254 | 109 |
| | July | 1,476 | 227 | -13 | 253 | 37 | 1,399 | 110 |
| | August | 1,511 | 125 | -45 | 254 | 61 | 1,276 | 111 |
| | September | 1,538 | 247 | 37 | 274 | 85 | 1,463 | 110 |
| | October | 1,517 | 194 | 97 | 306 | 81 | 1,421 | 107 |
| | November | 1,542 | 267 | 175 | 363 | 37 | 1,583 | 102 |
| | December | 1,580 | 258 | 256 | 395 | 56 | 1,642 | ⁴ 94 |
| | AVERAGE | 1,528 | 226 | 111 | 300 | 65 | 1,499 | |
| 1983 | January | 1,611 | 240 | ⁴ 520 | 313 | 118 | 1,939 | 86 |
| | February | 1,600 | 305 | 128 | 244 | 76 | 1,713 | 82 |
| | March | 1,543 | 166 | -9 | 197 | 127 | 1,377 | 82 |
| | April | 1,607 | 124 | -156 | 198 | 116 | 1,260 | 87 |
| | May | 1,613 | 167 | -225 | 207 | 84 | 1,263 | 94 |
| | June | 1,664 | 172 | -334 | 203 | 59 | 1,241 | 104 |
| | July | 1,656 | 191 | -221 | 217 | 55 | 1,354 | 111 |
| | August | 1,586 | 160 | -199 | 229 | 29 | 1,289 | 117 |
| | September | 1,705 | 178 | -30 | 236 | 86 | 1,531 | 118 |
| | October | 1,688 | 160 | -81 | 268 | 32 | 1,467 | 120 |
| | November | 1,785 | 180 | 70 | 362 | 33 | 1,640 | 118 |
| | December | 1,645 | 247 | 575 | 363 | 66 | 2,038 | ⁴ 101 |
| | AVERAGE | 1,642 | 190 | 4 | 253 | 73 | 1,509 | |
| 1984 | January | 1,610 | 269 | ⁴ 470 | 333 | 23 | 1,993 | 93 |
| | February | 1,690 | 237 | 146 | 323 | 41 | 1,708 | 89 |
| | March | 1,685 | 241 | 12 | 289 | 68 | 1,581 | 89 |
| | April | 1,711 | 155 | -170 | 253 | 54 | 1,389 | 94 |
| | May | 1,709 | 211 | -221 | 244 | 42 | 1,412 | 101 |
| | June | 1,714 | 158 | -189 | 237 | 53 | 1,394 | 106 |
| | July* | 1,750 | 132 | -138 | 232 | 43 | 1,469 | 111 |
| | AVERAGE | 1,695 | 200 | -13 | 273 | 46 | 1,564 | |

¹ Includes ethane, propane, normal butane, and isobutane.

Beginning in January 1984, unfractionated stream is reported by individual product.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.5.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

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Other Petroleum Products¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | AVERAGE | 3,693 | 502 | -9 | 750 | 166 | 3,270 | 208 |
| 1974 | AVERAGE | 3,558 | 432 | -28 | 665 | 174 | 3,123 | ⁴ 218 |
| 1975 | AVERAGE | 3,424 | 277 | ⁴ -2 | 537 | 160 | 3,002 | 219 |
| 1976 | AVERAGE | 3,643 | 206 | -5 | 524 | 175 | 3,145 | 220 |
| 1977 | AVERAGE | 3,912 | 205 | -27 | 514 | 165 | 3,410 | 230 |
| 1978 | AVERAGE | 4,046 | 166 | 14 | 492 | 167 | 3,568 | 225 |
| 1979 | AVERAGE | 4,153 | 195 | -37 | 352 | 209 | 3,749 | 238 |
| 1980 | AVERAGE | 3,956 | 210 | -23 | 311 | 198 | 3,634 | ⁴ 247 |
| 1981 | AVERAGE | 3,739 | 226 | ⁴ 46 | 723 | 199 | 3,088 | 282 |
| | | | | | | | | |
| 1982 | January | 3,171 | 269 | -7 | 624 | 180 | 2,631 | 282 |
| | February | 3,403 | 305 | -153 | 663 | 138 | 2,755 | 287 |
| | March | 3,466 | 243 | -191 | 725 | 161 | 2,631 | 293 |
| | April | 3,408 | 309 | 73 | 796 | 204 | 2,790 | 290 |
| | May | 3,317 | 318 | 184 | 824 | 210 | 2,785 | 285 |
| | June | 3,547 | 315 | 123 | 812 | 216 | 2,954 | 281 |
| | July | 3,660 | 408 | -1 | 856 | 187 | 3,023 | 281 |
| | August | 3,583 | 346 | 217 | 743 | 202 | 3,201 | 274 |
| | September | 3,533 | 375 | 105 | 749 | 213 | 3,051 | 271 |
| | October | 3,529 | 383 | 244 | 915 | 266 | 2,976 | 264 |
| | November | 3,498 | 423 | -28 | 837 | 269 | 2,786 | 264 |
| | December | 3,324 | 313 | 366 | 885 | 275 | 2,842 | ⁴ 253 |
| | AVERAGE | 3,453 | 334 | 80 | 787 | 211 | 2,869 | |
| | | | | | | | | |
| 1983 | January | 3,194 | 322 | ⁴ -419 | 588 | 271 | 2,239 | 271 |
| | February | 3,229 | 321 | 12 | 673 | 232 | 2,658 | 270 |
| | March | 3,381 | 319 | -147 | 572 | 249 | 2,732 | 275 |
| | April | 3,299 | 404 | -24 | 592 | 247 | 2,840 | 276 |
| | May | 3,405 | 374 | 35 | 705 | 242 | 2,866 | 275 |
| | June | 3,610 | 444 | 96 | 717 | 292 | 3,144 | 272 |
| | July | 3,636 | 425 | 148 | 735 | 209 | 3,265 | 267 |
| | August | 3,695 | 482 | 30 | 668 | 242 | 3,297 | 266 |
| | September | 3,792 | 497 | -6 | 788 | 236 | 3,255 | 266 |
| | October | 3,578 | 424 | -107 | 711 | 195 | 2,990 | 270 |
| | November | 3,568 | 441 | 95 | 912 | 238 | 2,957 | 267 |
| | December | 3,123 | 479 | 361 | 883 | 257 | 2,823 | ⁴ 256 |
| | AVERAGE | 3,460 | 411 | 6 | 712 | 242 | 2,923 | |
| | | | | | | | | |
| 1984 | January | 3,391 | 486 | ⁴ -177 | 561 | 207 | 2,931 | 253 |
| | February | 3,582 | 586 | -256 | 751 | 225 | 2,935 | 261 |
| | March | 3,510 | 466 | -218 | 530 | 258 | 2,969 | 268 |
| | April | 3,584 | 582 | -207 | 627 | 268 | 3,063 | 274 |
| | May | 3,683 | 642 | -118 | 775 | 257 | 3,175 | 277 |
| | June | 3,863 | 521 | 404 | 1,229 | 343 | 3,213 | 265 |
| | July* | 3,866 | 567 | 278 | 1,034 | 238 | 3,438 | 257 |
| | AVERAGE | 3,639 | 550 | -42 | 786 | 256 | 3,105 | |

¹ Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established

affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.6.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Sources

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*.
2. 1977 through 1980: Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report*.
3. January 1981 through December 1983: EIA, *Petroleum Supply Annual*.
4. January 1984 through July 1984: Detailed statistics in appropriate issues of the *Petroleum Supply Monthly*. (See Explanatory Notes 9.1 through 9.6).
5. August 1984: Estimates based on EIA weekly data (except domestic crude oil production) (see Explanatory Note 1.1).
6. January 1984 through August 1984: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies and the U.S. Geological Survey. (See Explanatory Note 3).

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Detailed Statistics





1. U.S. Petroleum Balance, July 1984

| | Current Month | | Year-to-date | |
|--|------------------|--------------------------|------------------|--------------------------|
| | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| Crude Oil (Including Lease Condensate) | | | | |
| Field Production | E 54,836 | 1,769 | E 374,294 | 1,757 |
| Alaska | E 217,007 | 7,000 | E 1,483,497 | 6,965 |
| Lower 48 States | E 271,843 | 8,769 | E 1,857,791 | 8,722 |
| Total U.S. | | | | |
| Net Imports | 102,840 | 3,317 | 680,790 | 3,196 |
| Imports (Gross Excluding SPR) | 10,197 | 329 | 45,405 | 213 |
| SPR Imports | 3,341 | 108 | 39,333 | 185 |
| Exports | 109,697 | 3,539 | 686,862 | 3,225 |
| Imports (Net Including SPR) | | | | |
| Other Sources | -10,169 | -328 | -44,815 | -210 |
| SPR Withdrawal (+) or Addition (-) | 4,466 | 144 | -5,050 | -24 |
| Other Stock Withdrawal (+) or Addition (-) | -1,904 | -61 | -13,634 | -64 |
| Product Supplied and Losses | 762 | 25 | 77,640 | 365 |
| Unaccounted for ¹ | -6,845 | -221 | 14,141 | 66 |
| Total Other Sources | 374,695 | 12,087 | 2,558,794 | 12,013 |
| Crude Input to Refineries | | | | |
| (3) = (3) + (7) + (12) | | | | |
| Natural Gas Plant Liquids (NGPL) | | | | |
| Field Production | 51,129 | 1,649 | 343,510 | 1,613 |
| Net Imports ² | 908 | 29 | 7,951 | 37 |
| Stock Withdrawal (+) or Addition (-) ² | -448 | -14 | -2,204 | -10 |
| Total NGPL Supply | 51,589 | 1,664 | 349,257 | 1,640 |
| Other Liquids | | | | |
| Unfinished Oils and Gasoline Blending Components, Total | | | | |
| Stock Withdrawal (+) or Addition (-) | 7,730 | 249 | 18 | 0 |
| Imports | 9,044 | 292 | 67,293 | 316 |
| Other Hydrocarbons and Alcohol New Supply (Field Production) | 2,128 | 69 | 10,598 | 50 |
| Refinery Processing Gain ¹ | 17,155 | 553 | 117,560 | 552 |
| Crude Oil Product Supplied | 1,863 | 60 | 13,331 | 63 |
| Total Other Liquids | 37,920 | 1,223 | 208,800 | 980 |
| (23) = (18) through (22) | | | | |
| Total Production of Products ³ | 464,204 | 14,974 | 3,116,851 | 14,633 |
| (4) = (13) + (17) + (23) | | | | |
| Net Imports of Refined Products ³ | | | | |
| Imports (Gross) | 43,939 | 1,417 | 359,309 | 1,687 |
| Exports | 13,205 | 426 | 106,800 | 501 |
| Imports (Net) | 30,734 | 991 | 252,509 | 1,185 |
| Total New Supply of Products | 494,938 | 15,966 | 3,369,360 | 15,819 |
| (8) = (24) + (27) | | | | |
| Refined Products Stock Withdrawal (+) or Addition (-) ³ | -12,973 | -418 | -8,418 | -40 |
| Total Petroleum Products Supplied for Domestic Use | 481,965 | 15,547 | 3,360,942 | 15,779 |
| (10) = (28) + (29) | | | | |
| Finished Motor Gasoline | 212,330 | 6,849 | 1,415,637 | 6,646 |
| Distillate Fuel Oil | 78,066 | 2,518 | 623,184 | 2,926 |
| Residual Fuel Oil | 37,592 | 1,213 | 314,370 | 1,476 |
| Liquefied Petroleum Gases | 45,530 | 1,469 | 333,108 | 1,564 |
| Other ⁴ | 106,584 | 3,438 | 661,311 | 3,105 |
| Crude Oil | 1,863 | 60 | 13,331 | 63 |
| Total Product Supplied | 481,965 | 15,547 | 3,360,942 | 15,779 |
| (37) = (31) through (36) | | | | |
| Ending Stocks, All Oils | | | | |
| Crude Oil and Lease Condensate (Excluding SPR) | 348,226 | -- | 348,226 | -- |
| Strategic Petroleum Reserve (SPR) | 423,904 | -- | 423,904 | -- |
| Unfinished Oils | 105,982 | -- | 105,982 | -- |
| Gasoline Blending Components ⁵ | 39,020 | -- | 39,020 | -- |
| Pentanes Plus | 10,969 | -- | 10,969 | -- |
| Finished Refined Products ³ | 585,468 | -- | 585,468 | -- |
| Total Stocks | 1,513,569 | -- | 1,513,569 | -- |

¹ A balancing item.

² Includes products in the pentanes plus category only.

³ For products included see Explanatory Note 9.7.

⁴ Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.

⁵ Includes other hydrocarbons and alcohol.

⁶ = Estimated.

-- Not Applicable.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1, 2 and 9.7.

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Table 2. Supply and Disposition of Crude Oil and Petroleum Products, July 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 271,843 | 0 | 113,038 | -5,703 | 762 | 41 | 374,695 | 3,341 | 1,863 | 772,130 |
| Natural Gas Liquids and LRGs | 51,023 | 12,562 | 5,067 | -4,741 | 0 | 0 | 13,463 | 1,406 | 49,042 | 121,470 |
| Pentanes Plus | 9,335 | 0 | 987 | -448 | 0 | 0 | 6,282 | 80 | 3,513 | 10,969 |
| Liquefied Petroleum Gases | 41,688 | 12,562 | 4,080 | -4,293 | 0 | 0 | 7,181 | 1,326 | 45,530 | 110,501 |
| Ethane | 16,056 | 794 | 1,944 | 531 | 0 | 0 | 58 | 160 | 19,107 | 20,671 |
| Propane | 16,071 | 8,944 | 1,021 | -3,741 | 0 | 0 | 105 | 855 | 21,335 | 59,067 |
| Normal Butane | 6,515 | 2,837 | 671 | -1,511 | 0 | 0 | 3,195 | 232 | 5,085 | 21,214 |
| Isobutane | 3,046 | -13 | 443 | 428 | 0 | 0 | 3,823 | 80 | 2 | 9,549 |
| Other Liquids | 2,128 | 0 | 9,044 | 7,730 | 0 | 0 | 25,785 | 0 | -6,883 | 145,002 |
| Other Hydrocarbons and Alcohol | 2,128 | 0 | 0 | -28 | 0 | 0 | 2,100 | 0 | 0 | 358 |
| Unfinished Oils | 0 | 0 | 6,926 | 4,799 | 0 | 0 | 18,230 | 0 | -6,505 | 105,982 |
| Motor Gasoline Blending Components | 0 | 0 | 2,112 | 2,922 | 0 | 0 | 5,418 | 0 | -384 | 38,372 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | 37 | 0 | 0 | 37 | 0 | 6 | 290 |
| Finished Petroleum Products | 106 | 418,536 | 39,860 | -8,680 | 0 | 0 | 0 | 11,879 | 437,943 | 474,967 |
| Finished Motor Gasoline | 3 | 200,901 | 7,671 | 4,035 | 0 | 0 | 0 | 281 | 212,330 | 200,138 |
| Finished Leaded Motor Gasoline | 3 | 79,850 | 2,107 | 3,746 | 0 | 0 | 0 | 281 | 85,425 | 92,930 |
| Finished Unleaded Motor Gasoline | 0 | 121,051 | 5,564 | 289 | 0 | 0 | 0 | 0 | 126,904 | 107,208 |
| Finished Aviation Gasoline | 0 | 908 | 188 | -153 | 0 | 0 | 0 | 0 | 943 | 2,511 |
| Naphtha-Type Jet Fuel | 0 | 7,148 | 0 | 48 | 0 | 0 | 0 | 0 | 7,196 | 6,858 |
| Kerosene-Type Jet Fuel | 0 | 29,654 | 1,059 | -703 | 0 | 0 | 0 | 306 | 29,704 | 36,703 |
| Kerosene | 2 | 2,629 | 267 | -141 | 0 | 0 | 0 | 2 | 2,755 | 8,028 |
| Distillate Fuel Oil | 39 | 84,767 | 6,145 | -11,639 | 0 | 0 | 0 | 1,245 | 78,066 | 124,507 |
| Residual Fuel Oil | 0 | 24,561 | 18,486 | -2,394 | 0 | 0 | 0 | 3,060 | 37,592 | 49,205 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 3,593 | 1,269 | 101 | 0 | 0 | 0 | 140 | 4,823 | 1,841 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 7,938 | 0 | 359 | 0 | 0 | 0 | 323 | 7,974 | 1,603 |
| Special Naphthas | 0 | 1,742 | 4,046 | 134 | 0 | 0 | 0 | 43 | 5,879 | 2,889 |
| Lubricants | 0 | 5,251 | 225 | -682 | 0 | 0 | 0 | 431 | 4,363 | 11,740 |
| Waxes | 0 | 424 | 34 | 19 | 0 | 0 | 0 | 48 | 430 | 574 |
| Petroleum Coke | 0 | 13,258 | 0 | -345 | 0 | 0 | 0 | 5,905 | 7,008 | 4,903 |
| Asphalt and Road Oil | 0 | 16,486 | 455 | 2,500 | 0 | 0 | 0 | 48 | 19,394 | 21,401 |
| Still Gas | 0 | 17,742 | 0 | 0 | 0 | 0 | 0 | 0 | 17,742 | 0 |
| Miscellaneous Products | 62 | 1,534 | 14 | 181 | 0 | 0 | 0 | 48 | 1,743 | 2,066 |
| Total | 325,100 | 431,098 | 167,009 | -11,394 | 762 | 41 | 413,943 | 16,626 | 481,965 | 1,513,569 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 3. Year-to-Date Supply and Disposition of Crude Oil and Petroleum Products, January - July 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | |
|--|------------------|---------------------|-----------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 1,857,791 | 0 | 726,195 | -49,865 | 77,640 | 303 | 2,558,794 | 39,333 | 13,331 | 772,130 |
| Natural Gas Liquids and LRGs | 342,304 | 80,073 | 51,227 | -4,948 | 0 | 0 | 99,872 | 10,422 | 358,363 | 121,470 |
| Pentanes Plus | 61,255 | 0 | 8,524 | -2,204 | 0 | 0 | 41,748 | 573 | 25,254 | 10,969 |
| Liquefied Petroleum Gases | 281,049 | 80,073 | 42,703 | -2,744 | 0 | 0 | 58,124 | 9,849 | 333,108 | 110,501 |
| Ethane | 107,044 | 4,967 | 17,982 | 708 | 0 | 0 | 447 | 1,146 | 129,108 | 20,671 |
| Propane | 110,317 | 59,504 | 13,066 | -3,787 | 0 | 0 | 832 | 5,731 | 172,537 | 59,067 |
| Normal Butane | 42,954 | 15,726 | 7,051 | -825 | 0 | 0 | 31,793 | 2,400 | 30,713 | 21,214 |
| Isobutane | 20,734 | -124 | 4,605 | 1,160 | 0 | 0 | 25,052 | 573 | 750 | 9,549 |
| Other Liquids | 10,598 | 0 | 67,293 | 18 | 0 | 0 | 125,621 | 0 | -47,712 | 145,002 |
| Other Hydrocarbons and Alcohol | 10,598 | 0 | 0 | -73 | 0 | 0 | 10,525 | 0 | 0 | 358 |
| Unfinished Oils | 0 | 0 | 51,979 | 1,516 | 0 | 0 | 90,923 | 0 | -37,428 | 105,982 |
| Motor Gasoline Blending Components | 0 | 0 | 15,308 | -1,452 | 0 | 0 | 24,146 | 0 | -10,290 | 38,372 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | 27 | 0 | 0 | 27 | 0 | 6 | 290 |
| Finished Petroleum Products | 1,206 | 2,821,774 | 316,606 | -5,674 | 0 | 0 | 0 | 96,951 | 3,036,961 | 474,967 |
| Finished Motor Gasoline | 496 | 1,369,057 | 61,899 | -14,643 | 0 | 0 | 0 | 1,171 | 1,415,637 | 200,138 |
| Finished Leaded Motor Gasoline | 328 | 562,013 | 28,879 | 1,154 | 0 | 0 | 0 | 1,171 | 591,203 | 92,930 |
| Finished Unleaded Motor Gasoline | 168 | 807,044 | 33,020 | -15,797 | 0 | 0 | 0 | 0 | 824,435 | 107,208 |
| Finished Aviation Gasoline | 0 | 5,305 | 467 | -220 | 0 | 0 | 0 | 0 | 5,552 | 2,511 |
| Naphtha-Type Jet Fuel | 0 | 43,554 | 3,536 | -645 | 0 | 0 | 0 | 175 | 46,270 | 6,858 |
| Kerosene-Type Jet Fuel | 0 | 191,936 | 9,898 | -4,335 | 0 | 0 | 0 | 1,075 | 196,424 | 36,703 |
| Kerosene | 8 | 22,700 | 1,725 | -168 | 0 | 0 | 0 | 19 | 24,246 | 8,028 |
| Distillate Fuel Oil | 277 | 563,014 | 53,776 | 15,895 | 0 | 0 | 0 | 0 | 623,184 | 124,507 |
| Residual Fuel Oil | 0 | 186,780 | 159,661 | -97 | 0 | 0 | 0 | 0 | 314,370 | 49,205 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 28,200 | 6,349 | -129 | 0 | 0 | 0 | 1,432 | 32,988 | 1,841 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 57,267 | 0 | 154 | 0 | 0 | 0 | 3,345 | 54,076 | 1,603 |
| Special Naphthas | -50 | 11,874 | 13,447 | 264 | 0 | 0 | 0 | 589 | 24,946 | 2,889 |
| Lubricants | 0 | 34,253 | 2,147 | 335 | 0 | 0 | 0 | 3,523 | 33,212 | 11,740 |
| Waxes | 0 | 3,046 | 294 | 203 | 0 | 0 | 0 | 278 | 3,265 | 574 |
| Petroleum Coke | 0 | 95,152 | 0 | 578 | 0 | 0 | 0 | 43,266 | 52,464 | 4,903 |
| Asphalt and Road Oil | 0 | 75,874 | 705 | -2,609 | 0 | 0 | 0 | 98 | 73,872 | 21,401 |
| Still Gas | 0 | 120,651 | 0 | 0 | 0 | 0 | 0 | 0 | 120,651 | 0 |
| Miscellaneous Products | 475 | 13,111 | 2,703 | -257 | 0 | 0 | 0 | 229 | 15,804 | 2,066 |
| Total | 2,211,899 | 2,901,847 | 1,161,321 | -60,469 | 77,640 | 303 | 2,784,287 | 146,706 | 3,360,942 | 1,513,569 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, July 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,769 | 0 | 3,646 | -184 | 25 | 1 | 12,087 | 108 | 60 |
| Natural Gas Liquids and LRGs | 1,646 | 405 | 163 | -153 | 0 | 0 | 434 | 45 | 1,582 |
| Pentanes Plus | 301 | 0 | 32 | -14 | 0 | 0 | 203 | 3 | 113 |
| Liquefied Petroleum Gases | 1,345 | 405 | 132 | -138 | 0 | 0 | 232 | 43 | 1,469 |
| Ethane | 518 | 26 | 63 | 17 | 0 | 0 | 2 | 5 | 616 |
| Propane | 518 | 289 | 33 | -121 | 0 | 0 | 3 | 28 | 688 |
| Normal Butane | 210 | 92 | 22 | -49 | 0 | 0 | 103 | 7 | 164 |
| Isobutane | 98 | (s) | 14 | 14 | 0 | 0 | 123 | 3 | (s) |
| Other Liquids | 69 | 0 | 292 | 249 | 0 | 0 | 832 | 0 | -222 |
| Other Hydrocarbons and Alcohol | 69 | 0 | 0 | -1 | 0 | 0 | 68 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 223 | 155 | 0 | 0 | 588 | 0 | -210 |
| Motor Gasoline Blending Components | 0 | 0 | 68 | 94 | 0 | 0 | 175 | 0 | -12 |
| Aviation Gasoline Blending Components | 0 | 0 | (s) | 1 | 0 | 0 | 1 | 0 | (s) |
| Finished Petroleum Products | 3 | 13,501 | 1,286 | -280 | 0 | 0 | 0 | 383 | 14,127 |
| Finished Motor Gasoline | (s) | 6,481 | 247 | 130 | 0 | 0 | 0 | 9 | 6,849 |
| Finished Leaded Motor Gasoline | (s) | 2,576 | 68 | 121 | 0 | 0 | 0 | 9 | 2,756 |
| Finished Unleaded Motor Gasoline | 0 | 3,905 | 179 | 9 | 0 | 0 | 0 | 0 | 4,094 |
| Finished Aviation Gasoline | 0 | 29 | 6 | -5 | 0 | 0 | 0 | 0 | 30 |
| Naphtha-Type Jet Fuel | 0 | 231 | 0 | 2 | 0 | 0 | 0 | 0 | 232 |
| Kerosene-Type Jet Fuel | 0 | 957 | 34 | -23 | 0 | 0 | 0 | 10 | 958 |
| Kerosene | (s) | 85 | 9 | -5 | 0 | 0 | 0 | (s) | 89 |
| Distillate Fuel Oil | 1 | 2,734 | 198 | -375 | 0 | 0 | 0 | 40 | 2,518 |
| Residual Fuel Oil | 0 | 792 | 596 | -77 | 0 | 0 | 0 | 99 | 1,213 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 116 | 41 | 3 | 0 | 0 | 0 | 5 | 156 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 256 | 0 | 12 | 0 | 0 | 0 | 10 | 257 |
| Special Naphthas | 0 | 56 | 131 | 4 | 0 | 0 | 0 | 1 | 190 |
| Lubricants | 0 | 169 | 7 | -22 | 0 | 0 | 0 | 14 | 141 |
| Waxes | 0 | 14 | 1 | 1 | 0 | 0 | 0 | 2 | 14 |
| Petroleum Coke | 0 | 428 | 0 | -11 | 0 | 0 | 0 | 190 | 226 |
| Asphalt and Road Oil | 0 | 532 | 15 | 81 | 0 | 0 | 0 | 2 | 626 |
| Still Gas | 0 | 572 | 0 | 0 | 0 | 0 | 0 | 0 | 572 |
| Miscellaneous Products | 2 | 49 | (s) | 6 | 0 | 0 | 0 | 2 | 56 |
| Total | 10,487 | 13,906 | 5,387 | -368 | 25 | 1 | 13,353 | 536 | 15,547 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - July 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,722 | 0 | 3,409 | -234 | 365 | 1 | 12,013 | 185 | 63 |
| Natural Gas Liquids and LRGs | 1,607 | 376 | 241 | -23 | 0 | 0 | 469 | 49 | 1,682 |
| Pentanes Plus | 288 | 0 | 40 | -10 | 0 | 0 | 196 | 3 | 119 |
| Liquefied Petroleum Gases | 1,319 | 376 | 200 | -13 | 0 | 0 | 273 | 46 | 1,564 |
| Ethane | 503 | 23 | 84 | 3 | 0 | 0 | 2 | 5 | 606 |
| Propane | 518 | 279 | 61 | -18 | 0 | 0 | 4 | 27 | 810 |
| Normal Butane | 202 | 74 | 33 | -4 | 0 | 0 | 149 | 11 | 144 |
| Isobutane | 97 | -1 | 22 | 5 | 0 | 0 | 118 | 3 | 4 |
| Other Liquids | 50 | 0 | 316 | (s) | 0 | 0 | 590 | 0 | -224 |
| Other Hydrocarbons and Alcohol | 50 | 0 | 0 | (s) | 0 | 0 | 49 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 244 | 7 | 0 | 0 | 427 | 0 | -176 |
| Motor Gasoline Blending Components | 0 | 0 | 72 | -7 | 0 | 0 | 113 | 0 | -48 |
| Aviation Gasoline Blending Components | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 0 | (s) |
| Finished Petroleum Products | 6 | 13,248 | 1,486 | -27 | 0 | 0 | 0 | 455 | 14,258 |
| Finished Motor Gasoline | 2 | 6,427 | 291 | -69 | 0 | 0 | 0 | 5 | 6,646 |
| Finished Leaded Motor Gasoline | 2 | 2,639 | 136 | 5 | 0 | 0 | 0 | 5 | 2,776 |
| Finished Unleaded Motor Gasoline | 1 | 3,789 | 155 | -74 | 0 | 0 | 0 | 0 | 3,871 |
| Finished Aviation Gasoline | 0 | 25 | 2 | -1 | 0 | 0 | 0 | 0 | 26 |
| Naphtha-Type Jet Fuel | 0 | 204 | 17 | -3 | 0 | 0 | 0 | 1 | 217 |
| Kerosene-Type Jet Fuel | 0 | 901 | 46 | -20 | 0 | 0 | 0 | 5 | 922 |
| Kerosene | (s) | 107 | 8 | -1 | 0 | 0 | 0 | (s) | 114 |
| Distillate Fuel Oil | 1 | 2,643 | 252 | 75 | 0 | 0 | 0 | 46 | 2,926 |
| Residual Fuel Oil | 0 | 877 | 750 | (s) | 0 | 0 | 0 | 150 | 1,476 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 132 | 30 | -1 | 0 | 0 | 0 | 7 | 155 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 269 | 0 | 1 | 0 | 0 | 0 | 16 | 254 |
| Special Naphthas | (s) | 56 | 63 | 1 | 0 | 0 | 0 | 3 | 117 |
| Lubricants | 0 | 161 | 10 | 2 | 0 | 0 | 0 | 17 | 156 |
| Waxes | 0 | 14 | 1 | 1 | 0 | 0 | 0 | 1 | 15 |
| Petroleum Coke | 0 | 447 | 0 | 3 | 0 | 0 | 0 | 203 | 246 |
| Asphalt and Road Oil | 0 | 356 | 3 | -12 | 0 | 0 | 0 | (s) | 347 |
| Sill Gas | 0 | 566 | 0 | 0 | 0 | 0 | 0 | 0 | 566 |
| Miscellaneous Products | 2 | 62 | 13 | -1 | 0 | 0 | 0 | 1 | 74 |
| Total | 10,385 | 13,624 | 5,452 | -284 | 365 | 1 | 13,072 | 689 | 15,779 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, July 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 1,851 | 0 | 33,500 | -714 | -1,375 | 2,621 | 0 | 35,883 | 0 | 0 | 15,769 |
| Natural Gas Liquids and LRGs | 679 | 1,386 | 1,276 | -755 | 0 | 1,933 | 0 | 210 | 67 | 4,242 | 4,114 |
| Liquefied Petroleum Gases | 607 | 1,386 | 400 | -769 | 0 | 1,933 | 0 | 172 | 67 | 3,318 | 4,073 |
| Pentanes Plus | 72 | 0 | 876 | 14 | 0 | 0 | 0 | 38 | 0 | 924 | 41 |
| Other Liquids | 31 | 0 | 2,382 | 1,712 | 0 | 655 | 0 | 5,735 | 0 | -955 | 18,888 |
| Other Hydrocarbons and Alcohol | 31 | 0 | 0 | -30 | 0 | 0 | 0 | 1 | 0 | 0 | 122 |
| Unfinished Oils | 0 | 0 | 1,272 | 2,068 | 0 | 403 | 0 | 5,493 | 0 | -1,750 | 12,893 |
| Motor Gasoline Blending Components | 0 | 0 | 1,110 | -337 | 0 | 252 | 0 | 230 | 0 | 795 | 5,873 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 11 | 0 | 0 | 0 |
| Finished Petroleum Products | 0 | 42,259 | 29,410 | -10,537 | 0 | 63,724 | 0 | 0 | 379 | 124,477 | 160,579 |
| Finished Motor Gasoline | 0 | 20,043 | 6,549 | -2,527 | 0 | 42,319 | 0 | 0 | 2 | 66,382 | 66,325 |
| Finished Leaded Motor Gasoline | 0 | 6,498 | 1,982 | 320 | 0 | 13,588 | 0 | 0 | 2 | 22,386 | 28,877 |
| Finished Unleaded Motor Gasoline | 0 | 13,545 | 4,567 | -2,847 | 0 | 28,731 | 0 | 0 | 0 | 43,996 | 37,448 |
| Finished Aviation Gasoline | 0 | 12 | 188 | 21 | 0 | 141 | 0 | 0 | 0 | 362 | 462 |
| Naphtha-Type Jet Fuel | 0 | 742 | 0 | 40 | 0 | 164 | 0 | 0 | 0 | 946 | 838 |
| Kerosene-Type Jet Fuel | 0 | 1,441 | 719 | 271 | 0 | 7,696 | 0 | 0 | 0 | 10,127 | 8,729 |
| Kerosene | 0 | 182 | 267 | 11 | 0 | 51 | 0 | 0 | 2 | 510 | 3,457 |
| Distillate Fuel Oil | 0 | 8,744 | 5,293 | -5,323 | 0 | 11,521 | 0 | 0 | 4 | 20,231 | 45,266 |
| Residual Fuel Oil | 0 | 3,173 | 15,551 | -2,780 | 0 | 612 | 0 | 0 | 200 | 16,355 | 24,693 |
| Naphtha and Other Oils for Petro. Feed | 0 | 223 | 6 | 13 | 0 | 18 | 0 | 0 | 46 | 214 | 262 |
| Special Naphthas | 0 | 47 | 312 | 9 | 0 | 326 | 0 | 0 | 5 | 690 | 734 |
| Lubricants | 0 | 575 | 95 | -209 | 0 | 641 | 0 | 0 | 69 | 1,033 | 3,220 |
| Waxes | 0 | 74 | 12 | 4 | 0 | 13 | 0 | 0 | 6 | 97 | 87 |
| Petroleum Coke | 0 | 1,298 | 0 | -129 | 0 | 0 | 0 | 0 | 28 | 1,141 | 665 |
| Asphalt and Road Oil | 0 | 3,537 | 407 | 123 | 0 | 86 | 0 | 0 | 1 | 4,152 | 5,433 |
| Still Gas | 0 | 1,937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,937 | 0 |
| Miscellaneous Products | 0 | 231 | 9 | -61 | 0 | 136 | 0 | 0 | 16 | 299 | 408 |
| Total | 2,561 | 43,645 | 66,568 | -10,294 | -1,375 | 68,933 | 0 | 41,828 | 445 | 127,765 | 199,350 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, July 1984
(Thousand Barrels)

| Table 7. PAD District 14, Supply and Disposition (Thousand Barrels) | | | | | | | | | | | |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 32,407 | 0 | 15,098 | -737 | 41,305 | 1,709 | 17 | 89,333 | 433 | 0 | 78,671 |
| Natural Gas Liquids and LRGs | 10,412 | 2,334 | 2,982 | 435 | 0 | 2,263 | 0 | 4,605 | 551 | 13,270 | 35,665 |
| Liquefied Petroleum Gases | 8,941 | 2,334 | 2,982 | 102 | 0 | 1,402 | 0 | 2,710 | 472 | 12,580 | 32,162 |
| Pentanes Plus | 1,471 | 0 | 0 | 333 | 0 | 861 | 0 | 1,895 | 80 | 690 | 3,503 |
| Other Liquids | 278 | 0 | 308 | 495 | 0 | 413 | 0 | 1,990 | 0 | -496 | 24,298 |
| Other Hydrocarbons and Alcohol | 278 | 0 | 0 | -1 | 0 | 0 | 0 | 277 | 0 | 0 | 138 |
| Unfinished Oils | 0 | 0 | 308 | 566 | 0 | 413 | 0 | 1,334 | 0 | -47 | 16,759 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | -140 | 0 | 0 | 0 | 309 | 0 | -449 | 7,315 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 70 | 0 | 0 | 86 |
| Finished Petroleum Products | 11 | 97,607 | 2,594 | -2,855 | 0 | 26,154 | 0 | 0 | 756 | 122,755 | 122,394 |
| Finished Motor Gasoline | 0 | 52,196 | 55 | 971 | 0 | 15,632 | 0 | 0 | 0 | 68,854 | 57,337 |
| Finished Leaded Motor Gasoline | 0 | 22,487 | 44 | 702 | 0 | 7,904 | 0 | 0 | 0 | 31,137 | 28,452 |
| Finished Unleaded Motor Gasoline | 0 | 29,709 | 11 | 269 | 0 | 7,728 | 0 | 0 | 0 | 37,717 | 28,885 |
| Finished Aviation Gasoline | 0 | 102 | 0 | -97 | 0 | 224 | 0 | 0 | 0 | 229 | 629 |
| Naphtha-Type Jet Fuel | 0 | 1,065 | 0 | 20 | 0 | 74 | 0 | 0 | 0 | 1,159 | 1,527 |
| Kerosene-Type Jet Fuel | 0 | 4,681 | 0 | -972 | 0 | 2,854 | 0 | 0 | 0 | 6,563 | 8,819 |
| Kerosene | 0 | 268 | 0 | -47 | 0 | 6 | 0 | 0 | 0 | 227 | 1,660 |
| Distillate Fuel Oil | 0 | 22,348 | 258 | -4,414 | 0 | 7,012 | 0 | 0 | 0 | 25,204 | 36,158 |
| Residual Fuel Oil | 0 | 2,245 | 48 | 54 | 0 | -383 | 0 | 0 | 0 | 1,964 | 3,525 |
| Naphtha and Other Oils for Petro. Feed | 0 | 841 | 8 | 6 | 0 | 51 | 0 | 0 | 89 | 817 | 186 |
| Special Naphthas | 0 | 460 | 2,209 | 60 | 0 | 87 | 0 | 0 | 5 | 2,811 | 447 |
| Lubricants | 0 | 811 | 6 | 75 | 0 | 151 | 0 | 0 | 26 | 1,017 | 2,013 |
| Waxes | 0 | 27 | 7 | -3 | 0 | 0 | 0 | 0 | 1 | 30 | 60 |
| Petroleum Coke | 0 | 3,078 | 0 | 201 | 0 | 0 | 0 | 0 | 602 | 2,677 | 885 |
| Asphalt and Road Oil | 0 | 5,651 | 0 | 1,299 | 0 | 548 | 0 | 0 | 32 | 7,466 | 8,906 |
| Still Gas | 0 | 3,571 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,571 | 0 |
| Miscellaneous Products | 11 | 263 | 4 | -8 | 0 | -102 | 0 | 0 | 1 | 166 | 242 |
| Total | 43,108 | 99,941 | 20,984 | -2,662 | 41,305 | 30,539 | 17 | 95,928 | 1,740 | 135,529 | 261,028 |

¹ Unaccounted for crude oil is a balancing item.

(S) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 8. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, July 1984
(Thousand Barrels)

| Commodity | | Supply | | | | | Disposition | | | | | |
|--|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unac- counted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | | E 130,538 | 0 | 58,430 | -8,708 | -27,705 | 15,172 | 0 | 167,702 | 0 | 25 | 587,157 |
| Natural Gas Liquids and LRGs | | 36,108 | 7,254 | 137 | -3,868 | 0 | -2,564 | 0 | 7,430 | 658 | 28,980 | 78,121 |
| Liquefied Petroleum Gases | | 29,622 | 7,254 | 131 | -3,074 | 0 | -1,951 | 0 | 3,432 | 658 | 27,892 | 71,000 |
| Pentanes Plus | | 6,486 | 0 | 7 | -794 | 0 | -613 | 0 | 3,998 | 0 | 1,088 | 7,121 |
| Other Liquids | | 1,447 | 0 | 4,953 | 1,778 | 0 | -1,068 | 0 | 12,576 | 0 | -5,466 | 65,615 |
| Other Hydrocarbons and Alcohol | | 1,447 | 0 | 0 | 6 | 0 | 0 | 0 | 1,453 | 0 | 0 | 93 |
| Unfinished Oils | | 0 | 0 | 4,621 | 159 | 0 | -816 | 0 | 7,771 | 0 | -3,807 | 49,303 |
| Motor Gasoline Blending Components | | 0 | 0 | 332 | 1,641 | 0 | -252 | 0 | 3,380 | 0 | -1,659 | 16,042 |
| Aviation Gasoline Blending Components | | 0 | 0 | 0 | -28 | 0 | 0 | 0 | -28 | 0 | 0 | 177 |
| Finished Petroleum Products | | 89 | 187,369 | 6,041 | 3,432 | 0 | -92,473 | 0 | 0 | 4,966 | 99,492 | 120,731 |
| Finished Motor Gasoline | | 1 | 89,233 | 682 | 4,165 | 0 | -59,402 | 0 | 0 | 6 | 34,673 | 49,122 |
| Finished Leaded Motor Gasoline | | 1 | 33,672 | 0 | 1,965 | 0 | -22,184 | 0 | 0 | 6 | 13,448 | 21,981 |
| Finished Unleaded Motor Gasoline | | 0 | 55,561 | 682 | 2,200 | 0 | -37,218 | 0 | 0 | 0 | 21,225 | 27,141 |
| Finished Aviation Gasoline | | 0 | 524 | 0 | -57 | 0 | -379 | 0 | 0 | 0 | 88 | 772 |
| Naphtha-Type Jet Fuel | | 0 | 3,380 | 0 | -300 | 0 | -354 | 0 | 0 | 0 | 2,726 | 2,531 |
| Kerosene-Type Jet Fuel | | 0 | 14,140 | 0 | 185 | 0 | -11,343 | 0 | 0 | 276 | 2,706 | 12,515 |
| Kerosene | | 2 | 2,016 | 0 | -97 | 0 | -57 | 0 | 0 | 1 | 1,863 | 2,621 |
| Distillate Fuel Oil | | 39 | 37,607 | 1 | -2,097 | 0 | -18,716 | 0 | 0 | 146 | 16,688 | 28,174 |
| Residual Fuel Oil | | 0 | 8,029 | 2,506 | 1,406 | 0 | -229 | 0 | 0 | 1,222 | 10,489 | 9,808 |
| Naphtha and Other Oils for Petro. Feed. | | 0 | 10,100 | 1,254 | 460 | 0 | -69 | 0 | 0 | 316 | 11,430 | 2,765 |
| Special Naphthas | | 0 | 1,066 | 1,493 | 121 | 0 | -468 | 0 | 0 | 33 | 2,179 | 1,428 |
| Lubricants | | 0 | 3,425 | 59 | -583 | 0 | -833 | 0 | 0 | 301 | 1,767 | 5,208 |
| Waxes | | 0 | 247 | 9 | 7 | 0 | -13 | 0 | 0 | 38 | 212 | 384 |
| Petroleum Coke | | 0 | 5,255 | 0 | -297 | 0 | 0 | 0 | 0 | 2,587 | 2,371 | 1,526 |
| Asphalt and Road Oil | | 0 | 3,622 | 37 | 285 | 0 | -634 | 0 | 0 | 14 | 3,296 | 2,993 |
| Still Gas | | 0 | 7,884 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,884 | 0 |
| Miscellaneous Products | | 47 | 841 | 0 | 234 | 0 | 24 | 0 | 0 | 26 | 1,120 | 884 |
| Total | | 168,182 | 194,623 | 69,562 | -7,366 | -27,705 | -80,933 | 0 | 187,708 | 5,624 | 123,031 | 851,624 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 9. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, July 1984
(Thousand Barrels)

| (Thousand Barrels) | | Commodity | Supply | | | | Net Receipts | Disposition | | | | Ending Stocks | |
|--|--|-----------|------------------|---------------------|---------|--------------------------------------|--------------|--|--------------|-----------------|---------|---------------|-------------------|
| | | | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | | Products Supplied |
| Crude Oil (Including lease condensate) | | | E 17,624 | 0 | 900 | 388 | -4,609 | 0 | 0 | 14,298 | 0 | 5 | 13,071 |
| Natural Gas Liquids and LRGs | | | 2,869 | 170 | 414 | -108 | 0 | -1,632 | 0 | 453 | 0 | 1,260 | 1,291 |
| Liquefied Petroleum Gases | | | 2,003 | 170 | 309 | -105 | 0 | -1,384 | 0 | 319 | 0 | 674 | 1,036 |
| Pentanes Plus | | | 866 | 0 | 105 | -3 | 0 | -248 | 0 | 134 | 0 | 586 | 255 |
| Other Liquids | | | 0 | 0 | 0 | 635 | 0 | 0 | 0 | 615 | 0 | 20 | 4,433 |
| Other Hydrocarbons and Alcohol | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | | | 0 | 0 | 0 | 161 | 0 | 0 | 0 | 218 | 0 | -57 | 2,558 |
| Motor Gasoline Blending Components | | | 0 | 0 | 0 | 474 | 0 | 0 | 0 | 397 | 0 | 77 | 1,875 |
| Aviation Gasoline Blending Components | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | | | 6 | 15,492 | 227 | 201 | 0 | 4 | 0 | 0 | 2 | 15,928 | 13,367 |
| Finished Motor Gasoline | | | 2 | 7,986 | 71 | -35 | 0 | -63 | 0 | 0 | 0 | 7,961 | 5,627 |
| Finished Leaded Motor Gasoline | | | 2 | 4,469 | 70 | 56 | 0 | -18 | 0 | 0 | 0 | 4,579 | 3,539 |
| Finished Unleaded Motor Gasoline | | | 0 | 3,517 | 1 | -91 | 0 | -45 | 0 | 0 | 0 | 3,382 | 2,088 |
| Finished Aviation Gasoline | | | 0 | 42 | 0 | 4 | 0 | 14 | 0 | 0 | 0 | 60 | 52 |
| Naphtha-Type Jet Fuel | | | 0 | 508 | 0 | -14 | 0 | -124 | 0 | 0 | 0 | 370 | 347 |
| Kerosene-Type Jet Fuel | | | 0 | 827 | 0 | -98 | 0 | 515 | 0 | 0 | 0 | 1,244 | 886 |
| Kerosene | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37 |
| Distillate Fuel Oil | | | 0 | 3,986 | 133 | -171 | 0 | -338 | 0 | 0 | 0 | 3,610 | 3,634 |
| Residual Fuel Oil | | | 0 | 333 | 11 | -53 | 0 | 0 | 0 | 0 | 0 | 291 | 563 |
| Naphtha and Other Oils for Petro. Feed. | | | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | (s) | 1 | 2 |
| Special Naphthas | | | 0 | 3 | (s) | -1 | 0 | 0 | 0 | 0 | 0 | 2 | 10 |
| Lubricants | | | 0 | 25 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 27 | 68 |
| Waxes | | | 0 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 |
| Petroleum Coke | | | 0 | 255 | 0 | -10 | 0 | 0 | 0 | 0 | 0 | 245 | 184 |
| Asphalt and Road Oil | | | 0 | 929 | 11 | 577 | 0 | 0 | 0 | 0 | (s) | 1,517 | 1,944 |
| Still Gas | | | 0 | 525 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 525 | 0 |
| Miscellaneous Products | | | 4 | 51 | (s) | -3 | 0 | 0 | 0 | 0 | (s) | 52 | 13 |
| Total | | | 20,499 | 15,662 | 1,541 | 1,116 | -4,609 | -1,628 | 0 | 15,366 | 2 | 17,213 | 32,162 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 10. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, July 1984
(Thousand Barrels)

| (Thousand Barrels) | | | | | | | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 89,423 | 0 | 5,109 | 4,068 | -6,854 | -19,502 | 24 | 67,479 | 2,908 | 1,833 | 77,462 |
| Natural Gas Liquids and LRGs | 955 | 1,418 | 257 | -445 | 0 | 0 | 0 | 765 | 130 | 1,290 | 2,279 |
| Liquefied Petroleum Gases | 515 | 1,418 | 257 | -447 | 0 | 0 | 0 | 548 | 130 | 1,065 | 2,230 |
| Pentanes Plus | 440 | 0 | 0 | 2 | 0 | 0 | 0 | 217 | 0 | 225 | 49 |
| Other Liquids | 372 | 0 | 1,400 | 3,110 | 0 | 0 | 0 | 4,869 | 0 | 13 | 31,768 |
| Other Hydrocarbons and Alcohol | 372 | 0 | 0 | -3 | 0 | 0 | 0 | 369 | 0 | 0 | 5 |
| Unfinished Oils | 0 | 0 | 725 | 1,845 | 0 | 0 | 0 | 3,414 | 0 | -844 | 24,469 |
| Motor Gasoline Blending Components | 0 | 0 | 670 | 1,284 | 0 | 0 | 0 | 1,102 | 0 | 852 | 7,267 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | -16 | 0 | 0 | 0 | -16 | 0 | 6 | 27 |
| Finished Petroleum Products | 0 | 75,809 | 1,587 | 1,079 | 0 | 2,591 | 0 | 0 | 5,776 | 75,290 | 57,896 |
| Finished Motor Gasoline | 0 | 31,443 | 315 | 1,461 | 0 | 1,514 | 0 | 0 | 273 | 34,460 | 21,727 |
| Finished Leaded Motor Gasoline | 0 | 12,724 | 11 | 703 | 0 | 710 | 0 | 0 | 273 | 13,875 | 10,081 |
| Finished Unleaded Motor Gasoline | 0 | 18,719 | 304 | 758 | 0 | 804 | 0 | 0 | 0 | 20,585 | 11,646 |
| Finished Aviation Gasoline | 0 | 228 | 0 | -24 | 0 | 0 | 0 | 0 | 0 | 204 | 596 |
| Naphtha-Type Jet Fuel | 0 | 1,453 | 0 | 302 | 0 | 240 | 0 | 0 | 0 | 1,995 | 1,615 |
| Kerosene-Type Jet Fuel | 0 | 8,565 | 340 | -89 | 0 | 278 | 0 | 0 | 30 | 9,064 | 5,754 |
| Kerosene | 0 | 163 | 0 | -8 | 0 | 0 | 0 | 0 | (s) | 155 | 253 |
| Distillate Fuel Oil | 0 | 12,082 | 460 | 366 | 0 | 521 | 0 | 0 | 1,096 | 12,333 | 11,275 |
| Residual Fuel Oil | 0 | 10,781 | 369 | -1,021 | 0 | 0 | 0 | 0 | 1,637 | 8,492 | 10,616 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 367 | 0 | -20 | 0 | 0 | 0 | 0 | 12 | 335 | 229 |
| Special Naphthas | 0 | 166 | 31 | -55 | 0 | 55 | 0 | 0 | (s) | 197 | 270 |
| Lubricants | 0 | 415 | 65 | 31 | 0 | 41 | 0 | 0 | 33 | 519 | 1,231 |
| Waxes | 0 | 54 | 6 | 11 | 0 | 0 | 0 | 0 | 3 | 69 | 43 |
| Petroleum Coke | 0 | 3,372 | 0 | -110 | 0 | 0 | 0 | 0 | 2,688 | 574 | 1,643 |
| Asphalt and Road Oil | 0 | 2,747 | 0 | 216 | 0 | 0 | 0 | 0 | 1 | 2,962 | 2,125 |
| Still Gas | 0 | 3,825 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,825 | 0 |
| Miscellaneous Products | 0 | 148 | 1 | 19 | 0 | -58 | 0 | 0 | 4 | 105 | 519 |
| Total | 90,750 | 77,227 | 8,354 | 7,812 | -6,854 | -16,911 | 24 | 73,113 | 8,814 | 78,427 | 169,405 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 11. Production of Crude Oil (Including Lease Condensate) by PAD District and State, for the Most Currently Available Month,¹ May 1984
(Thousand Barrels)

| PAD District and State | | Production | | PAD District and State | | Production | |
|--|------------------|----------------|--|---|------------------|----------------|--|
| | Total | Daily Average | | | Total | Daily Average | |
| PAD District I | | | | PAD District IV | | | |
| Florida | 1,185 | 38 | | Colorado | 2,435 | 79 | |
| New York | E 71 | E 2 | | Montana | E 2,319 | E 75 | |
| Pennsylvania | E 363 | E 12 | | Utah | E 2,728 | E 88 | |
| Virginia | E 6 | E 0 | | Wyoming | E 10,122 | E 327 | |
| West Virginia | 337 | 11 | | Adjustment 2 | -24 | -1 | |
| Adjustment 2 | -37 | -1 | | Total PAD District IV | E 17,580 | E 567 | |
| Total PAD District I | E 1,925 | E 62 | | | | | |
| PAD District II | | | | PAD District V | | | |
| Illinois | 2,403 | 78 | | Alaska | 1,944 | 63 | |
| Indiana | 459 | 15 | | South Alaska | 52,735 | 1,701 | |
| Kansas | 6,694 | 216 | | North Slope | 895 | 29 | |
| Kentucky | 640 | 21 | | Adjustment for Alaska ² | 55,574 | 1,793 | |
| Michigan | 2,515 | 81 | | Total Alaska | 18 | 1 | |
| Missouri | E 19 | E 1 | | Arizona | | | |
| Nebraska | 545 | 18 | | California | 6,541 | 211 | |
| North Dakota | 4,431 | 143 | | Central Coastal | 21,699 | 700 | |
| Ohio | E 1,274 | E 41 | | East Central | 16 | 1 | |
| Oklahoma | 14,089 | 454 | | North | 6,737 | 217 | |
| South Dakota | 114 | 4 | | South | 34,993 | 1,129 | |
| Tennessee | 85 | 3 | | Total California | 109 | 4 | |
| Adjustment 2 | -938 | -30 | | Nevada | -530 | -17 | |
| Total PAD District II | E 32,330 | E 1,043 | | Adjustment for Arizona, California, and Nevada ² | 90,164 | 2,909 | |
| | | | | Total PAD District V | | | |
| PAD District III | | | | United States Total | E 271,303 | E 8,752 | |
| Alabama | 1,673 | 54 | | | | | |
| Arkansas | E 1,600 | E 52 | | | | | |
| Louisiana | | | | | | | |
| Gulf Coast | E 41,392 | E 1,335 | | | | | |
| Rest of State | 2,733 | 88 | | | | | |
| Total Louisiana | E 44,125 | E 1,423 | | | | | |
| Mississippi | 2,796 | 90 | | | | | |
| New Mexico | | | | | | | |
| Northwestern | 593 | 19 | | | | | |
| Southeastern | 6,031 | 195 | | | | | |
| Total New Mexico | 6,624 | 214 | | | | | |
| Texas | | | | | | | |
| TRRC District 01 | 2,199 | 71 | | | | | |
| TRRC District 02 | 3,363 | 108 | | | | | |
| TRRC District 03 | E 10,770 | E 347 | | | | | |
| TRRC District 04 | 2,530 | 82 | | | | | |
| TRRC District 05 | 687 | 22 | | | | | |
| TRRC District 06, excluding East Texas | 3,556 | 115 | | | | | |
| TRRC District 07B | 3,051 | 98 | | | | | |
| TRRC District 07C | 3,029 | 98 | | | | | |
| TRRC District 08 | 19,543 | 630 | | | | | |
| TRRC District 08A | 18,456 | 595 | | | | | |
| TRRC District 09 | 3,422 | 110 | | | | | |
| TRRC District 10 | 1,936 | 62 | | | | | |
| East Texas | 4,242 | 137 | | | | | |
| Total Texas | 76,784 | 2,477 | | | | | |
| Adjustment 2 | -4,298 | -139 | | | | | |
| Total PAD District III | E 129,304 | E 4,171 | | | | | |

¹ Includes the following offshore production (thousand barrels):

Alaska: State - 1,712;
California: Federal - 2,688, State - 3,364;
Louisiana: Federal - E 28,120, State - 2,368;
Texas: Federal - E 1,978, State - 157;
U.S. Total - E 40,387

² These adjustments are used to reconcile the national and PADD level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PADD level figures published in a previous issue. Final data at the State, PAD District and national levels will be published without adjustments in the Petroleum Supply Annual.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

- Data not available.

E = Estimated.

See footnotes at end of table.

Table 12. Natural Gas Processing Plant Production of Petroleum Products by PAD District,¹ July 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD | | United States | | |
|--|----------------|----------------|-------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|--------------|------------|--------|---------------|--------------------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La. Ark. | New Mexico | Total | | Dist. IV Rocky Mt. | Dist. V West Coast |
| Natural Gas Liquids | 375 | 304 | 679 | 4 | 1,726 | 526 | 8,156 | 10,412 | 19,940 | 3,142 | 8,109 | 652 | 4,265 | 36,108 | 2,869 | 955 | 51,023 |
| Pentanes Plus | 34 | 38 | 72 | 1 | 225 | 135 | 1,110 | 1,471 | 3,646 | 302 | 1,453 | 190 | 895 | 6,486 | 866 | 440 | 9,333 |
| Liquefied Petroleum Gases | 341 | 266 | 607 | 3 | 1,501 | 391 | 7,046 | 8,941 | 16,294 | 2,840 | 6,656 | 462 | 3,370 | 29,622 | 2,003 | 515 | 41,688 |
| Ethane | 109 | 45 | 154 | 0 | 647 | 5 | 3,206 | 3,858 | 6,461 | 1,130 | 3,081 | 63 | 1,024 | 11,759 | 283 | 2 | 16,056 |
| Propane | 140 | 134 | 274 | 2 | 510 | 224 | 2,564 | 3,300 | 6,151 | 1,170 | 2,140 | 201 | 1,395 | 11,057 | 1,135 | 305 | 16,071 |
| Normal Butane | 73 | 70 | 143 | 1 | 188 | 135 | 908 | 1,232 | 2,655 | 335 | 763 | 146 | 648 | 4,547 | 442 | 151 | 6,515 |
| Isobutane | 19 | 17 | 36 | 0 | 156 | 27 | 368 | 551 | 1,027 | 205 | 672 | 52 | 303 | 2,259 | 143 | 57 | 3,046 |
| Finished Petroleum Products | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 11 | 23 | 47 | 2 | 12 | 5 | 89 | 6 | 0 | 106 |
| Finished Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| Finished Leaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| Finished Unleaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Distillate Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 39 | 0 | 0 | 39 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 1 | 0 | 10 | 11 | 20 | 8 | 2 | 12 | 5 | 47 | 4 | 0 | 62 |
| Total Production | 375 | 304 | 679 | 4 | 1,727 | 526 | 8,166 | 10,423 | 19,963 | 3,189 | 8,111 | 664 | 4,270 | 36,197 | 2,875 | 955 | 51,129 |

¹ Production represents quantity of natural gas processing plant output less input to fractionating facilities.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 13. Refinery Input of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels, Except Where Noted)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---|----------------|----------------|--------|-----------------|-----------------|--------------------|------------------|--------|------------------|------------------|----------------|---------------|-----------------|---------|---------------|------------------------|------------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | PAD Dist. IV Rocky Mt. | PAD Dist. V West Coast |
| Crude Oil (including lease condensate) | 33,146 | 2,737 | 35,883 | 1,822 | 58,333 | 8,676 | 20,502 | 89,333 | 15,867 | 84,718 | 58,769 | 5,855 | 2,493 | 167,702 | 14,298 | 67,479 | 374,695 |
| Pentanes Plus | 38 | 0 | 38 | 0 | 740 | 270 | 885 | 1,895 | 1,296 | 2,092 | 445 | 78 | 87 | 3,998 | 134 | 217 | 6,282 |
| Liquefied Petroleum Gases | 146 | 26 | 172 | 120 | 1,767 | 231 | 592 | 2,710 | 496 | 1,157 | 1,600 | 140 | 39 | 3,432 | 319 | 548 | 7,181 |
| Ethane | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 56 | 0 | 0 | 56 | 0 | 0 | 58 |
| Propane | 0 | 0 | 0 | 0 | 69 | 0 | 0 | 69 | 0 | 2 | 29 | 0 | 0 | 31 | 0 | 5 | 105 |
| Normal Butane | 0 | 26 | 26 | 40 | 846 | 155 | 159 | 1,200 | 94 | 509 | 732 | 31 | 9 | 1,375 | 250 | 344 | 3,195 |
| Isobutane | 146 | 0 | 146 | 80 | 850 | 76 | 433 | 1,439 | 402 | 646 | 783 | 109 | 30 | 1,970 | 69 | 199 | 3,823 |
| Other Liquids | | | | | | | | | | | | | | | | | |
| Other Hydrocarbons and Alcohol | 1 | 0 | 1 | 0 | 271 | 0 | 6 | 277 | 0 | 350 | 1,101 | 0 | 2 | 1,453 | 0 | 369 | 2,100 |
| Unfinished Oil (net) | 5,384 | 109 | 5,493 | -30 | 1,157 | 37 | 170 | 1,334 | 546 | 4,617 | 2,418 | 145 | 45 | 7,771 | 218 | 3,414 | 18,230 |
| Motor Gasoline Blending Components (net) | 233 | -3 | 230 | 12 | 109 | 23 | 165 | 309 | 304 | 2,034 | 1,190 | -21 | -127 | 3,380 | 397 | 1,102 | 5,418 |
| Aviation Gasoline Blending Components (net) | 11 | 0 | 11 | 0 | 46 | 0 | 24 | 70 | 0 | -15 | -13 | 0 | 0 | -28 | 0 | -16 | 37 |
| Total Input to Refineries | 38,959 | 2,869 | 41,828 | 1,924 | 62,423 | 9,237 | 22,344 | 95,928 | 18,509 | 94,953 | 65,510 | 6,197 | 2,539 | 187,708 | 15,366 | 73,113 | 413,943 |
| Crude Oil Distillation | | | | | | | | | | | | | | | | | |
| Gross Input (daily average) | 1,093 | 88 | 1,182 | 59 | 1,904 | 291 | 671 | 2,924 | 525 | 2,803 | 1,870 | 191 | 81 | 5,469 | 466 | 2,188 | 12,229 |
| Operable Capacity (daily average) | 1,404 | 174 | 1,578 | 66 | 2,329 | 304 | 803 | 3,502 | 604 | 3,802 | 2,539 | 294 | 109 | 7,348 | 558 | 3,099 | 16,085 |
| Operating Ratio (percent)1 | 77.9 | 50.6 | 74.9 | 89.1 | 81.7 | 95.5 | 83.6 | 83.5 | 87.0 | 73.7 | 73.6 | 65.0 | 73.8 | 74.4 | 83.5 | 70.6 | 76.0 |
| Crude Oil Qualities | | | | | | | | | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 1.04 | .35 | .99 | .63 | .92 | 1.69 | .60 | .92 | .62 | 1.01 | .76 | 1.43 | .71 | .89 | .88 | 1.02 | .93 |
| API Gravity, Weighted Average | 32.40 | 40.15 | 32.97 | 37.01 | 34.93 | 31.25 | 37.69 | 35.25 | 37.45 | 34.90 | 33.78 | 32.58 | 38.94 | 34.72 | 35.91 | 25.49 | 33.04 |
| Operable Capacity (daily average) | 1,404 | 174 | 1,578 | 66 | 2,329 | 304 | 803 | 3,502 | 604 | 3,802 | 2,539 | 294 | 109 | 7,348 | 558 | 3,099 | 16,085 |
| Operating | 1,257 | 110 | 1,367 | 66 | 2,177 | 301 | 730 | 3,274 | 589 | 3,499 | 2,222 | 243 | 107 | 6,660 | 530 | 2,864 | 14,695 |
| Idle | 147 | 64 | 211 | 0 | 152 | 3 | 73 | 228 | 15 | 303 | 316 | 51 | 2 | 688 | 28 | 235 | 1,390 |

¹ Represents gross input divided by operable capacity.
Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 14. Refinery Production of Petroleum Products by PAD District, July 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | Total | | PAD District IV | | United States |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|------------|---------|-----------------|--------------------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | Dist. V West Coast | |
| | | | | | | | | | | | | | | | | | |
| Liquefied Refinery Gases | 1,358 | 28 | 1,386 | 39 | 1,682 | 233 | 380 | 2,334 | 375 | 3,241 | 3,462 | 74 | 102 | 7,254 | 170 | 1,418 | 12,562 |
| For Petrochemical Feedstock Use | 404 | 0 | 404 | 0 | 231 | 26 | 40 | 297 | 97 | 1,596 | 1,846 | 8 | 0 | 3,547 | 24 | 239 | 4,511 |
| For Other Uses | 954 | 28 | 982 | 39 | 1,451 | 207 | 340 | 2,037 | 278 | 1,645 | 1,616 | 66 | 102 | 3,707 | 146 | 1,179 | 8,051 |
| Ethane | 35 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 742 | 17 | 0 | 0 | 759 | 0 | 0 | 794 |
| For Petrochemical Feedstock Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 346 | 1 | 0 | 0 | 347 | 0 | 0 | 347 |
| For Other Uses | 35 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 396 | 16 | 0 | 0 | 412 | 0 | 0 | 447 |
| Propane | 1,110 | 28 | 1,138 | 39 | 1,654 | 199 | 478 | 2,370 | 279 | 2,438 | 1,489 | 59 | 59 | 4,324 | 163 | 949 | 8,944 |
| For Petrochemical Feedstock Use | 364 | 0 | 364 | 0 | 208 | 0 | 40 | 248 | 97 | 1,211 | 241 | 0 | 0 | 1,549 | 0 | 224 | 2,385 |
| For Other Uses | 746 | 28 | 774 | 39 | 1,446 | 199 | 438 | 2,122 | 182 | 1,227 | 1,248 | 59 | 59 | 2,775 | 163 | 725 | 6,559 |
| Normal Butane | 213 | 0 | 213 | 0 | 5 | 29 | -98 | -64 | 96 | 126 | 1,956 | 15 | 43 | 2,236 | -17 | 469 | 2,837 |
| For Petrochemical Feedstock Use | 40 | 0 | 40 | 0 | 0 | 21 | 0 | 21 | 0 | 104 | 1,604 | 8 | 7 | 1,716 | 0 | 15 | 1,792 |
| For Other Uses | 173 | 0 | 173 | 0 | 5 | 8 | -98 | -85 | 96 | 22 | 352 | 7 | 43 | 520 | -17 | 454 | 1,045 |
| Isobutane for Petro. Feed. Use | 0 | 0 | 0 | 0 | 23 | 5 | 0 | 28 | 0 | -65 | 0 | 0 | 0 | -65 | 24 | 0 | -13 |
| Finished Motor Gasoline | 19,009 | 1,034 | 20,043 | 1,134 | 34,541 | 4,473 | 12,048 | 52,196 | 9,802 | 45,179 | 31,405 | 1,909 | 938 | 89,233 | 7,986 | 31,443 | 200,901 |
| Finished Leaded Motor Gasoline | 6,062 | 436 | 6,498 | 524 | 13,282 | 1,977 | 6,704 | 22,487 | 4,546 | 15,906 | 12,078 | 670 | 472 | 33,672 | 4,469 | 12,724 | 79,850 |
| Finished Unleaded Motor Gasoline | 12,947 | 598 | 13,545 | 610 | 21,259 | 2,496 | 5,344 | 29,709 | 5,256 | 29,273 | 19,327 | 1,239 | 466 | 55,561 | 3,517 | 18,719 | 121,051 |
| Finished Aviation Gasoline | 12 | 0 | 12 | 0 | 86 | 0 | 16 | 102 | 124 | 255 | 145 | 0 | 0 | 524 | 42 | 228 | 908 |
| Naphtha-Type Jet Fuel | 694 | 48 | 742 | 31 | 575 | 152 | 307 | 1,065 | 985 | 1,174 | 681 | 117 | 423 | 3,380 | 508 | 1,453 | 7,148 |
| Kerosene-Type Jet Fuel | 1,441 | 0 | 1,441 | 5 | 3,257 | 371 | 1,048 | 4,681 | 905 | 6,985 | 6,138 | 6 | 106 | 14,140 | 827 | 8,565 | 29,654 |
| Kerosene | 145 | 37 | 182 | 94 | 230 | 26 | -82 | 268 | 40 | 938 | 961 | 40 | 37 | 2,016 | 0 | 163 | 2,629 |
| Distillate Fuel Oil | 7,918 | 826 | 8,744 | 425 | 13,521 | 2,283 | 6,119 | 22,348 | 4,215 | 17,774 | 12,994 | 1,846 | 778 | 37,607 | 3,986 | 12,082 | 84,767 |
| Residual Fuel Oil | 3,100 | 73 | 3,173 | 54 | 1,441 | 238 | 512 | 2,245 | 693 | 4,647 | 2,431 | 245 | 13 | 8,029 | 333 | 10,781 | 24,561 |
| Naphtha < 400 Deg. For Petro. Feed. Use | 216 | 0 | 216 | 0 | 615 | 0 | 114 | 729 | 89 | 2,251 | 126 | 19 | 0 | 2,485 | 0 | 163 | 3,593 |
| Other Oils > 400 Deg. For Petro. Feed. Use | 7 | 0 | 7 | 0 | 112 | 0 | 185 | 460 | 92 | 740 | 109 | 125 | 0 | 7,615 | 0 | 204 | 7,938 |
| Special Naphthas | 11 | 36 | 47 | 0 | 275 | 0 | 329 | 811 | 19 | 2,112 | 900 | 394 | 0 | 1,066 | 3 | 166 | 1,742 |
| Lubricants | 215 | 360 | 575 | 0 | 482 | 0 | 16 | 27 | 8 | 82 | 92 | 65 | 0 | 3,425 | 25 | 415 | 5,251 |
| Waxes | 0 | 74 | 74 | 0 | 11 | 0 | 16 | 27 | 8 | 82 | 92 | 65 | 0 | 247 | 22 | 54 | 424 |
| Petroleum Coke | 1,280 | 18 | 1,298 | 27 | 2,136 | 320 | 595 | 3,078 | 302 | 2,689 | 2,178 | 75 | 11 | 5,255 | 255 | 3,372 | 13,258 |
| Marketable | 481 | 0 | 481 | 0 | 1,105 | 195 | 378 | 1,678 | 57 | 1,239 | 1,439 | 47 | 0 | 2,782 | 113 | 2,600 | 7,654 |
| Catalyst | 799 | 18 | 817 | 27 | 1,031 | 125 | 217 | 1,400 | 245 | 1,450 | 739 | 28 | 11 | 2,473 | 142 | 772 | 5,604 |
| Asphalt and Road Oil | 3,422 | 115 | 3,537 | 139 | 3,618 | 1,106 | 788 | 5,651 | 605 | 608 | 1,192 | 1,106 | 111 | 3,622 | 929 | 2,747 | 16,486 |
| Still Gas | 1,835 | 102 | 1,937 | 51 | 2,521 | 278 | 721 | 3,571 | 458 | 4,611 | 2,559 | 191 | 65 | 7,884 | 525 | 3,825 | 17,742 |
| For Petrochemical Feedstock Use | 191 | 0 | 191 | 0 | 1 | 0 | 0 | 1 | 5 | 606 | 162 | 0 | 0 | 773 | 1 | 161 | 1,127 |
| For Other Uses | 1,644 | 102 | 1,746 | 51 | 2,520 | 278 | 721 | 3,570 | 453 | 4,005 | 2,397 | 191 | 65 | 7,111 | 524 | 3,664 | 16,615 |
| Miscellaneous Products | 167 | 64 | 231 | 3 | 168 | 23 | 69 | 263 | -16 | 506 | 316 | 35 | 0 | 841 | 51 | 148 | 1,534 |
| Fuel Use | 0 | 25 | 25 | 0 | -1 | 0 | 0 | -1 | 0 | -23 | 247 | 7 | 0 | 231 | 12 | 12 | 279 |
| Non-Fuel Use | 167 | 39 | 206 | 3 | 169 | 23 | 69 | 264 | -16 | 529 | 69 | 28 | 0 | 610 | 39 | 136 | 1,255 |
| Total Production | 40,830 | 2,815 | 43,645 | 2,002 | 65,271 | 9,503 | 23,165 | 99,941 | 18,808 | 98,685 | 68,299 | 6,247 | 2,584 | 194,623 | 15,662 | 77,227 | 431,098 |
| Processing Gain(-) or Loss(+) | -1,871 | 54 | -1,817 | -78 | -2,848 | -266 | -821 | -4,013 | -299 | -3,732 | -2,789 | -50 | -45 | -6,915 | -296 | -4,114 | -17,155 |

1 Represents the arithmetic difference between input and output.
Note: See Explanatory Note 2.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 15. Percent Refinery Yield of Petroleum Products by PAD District,¹ July 1984

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | Total | New Mexico | United States |
|--|----------------|----------------|-------|-----------------|-----------------|--------------------|------------------|------------------|------------------|----------------|---------------|-----------------|--------------------|-------|------------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | Rocky Mt. | Dist. V West Coast | | | |
| Finished Motor Gasoline ² | 48.3 | 35.5 | 47.4 | 55.9 | 53.2 | 45.3 | 50.3 | 51.8 | 44.3 | 44.2 | 28.5 | 49.2 | 41.2 | 43.9 | 36.9 | 45.8 |
| Finished Aviation Gasoline ³ | .0 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .3 | .3 | .0 | .3 | .3 | .3 | .0 | .2 |
| Liquefied Refinery Gases | 3.5 | 1.0 | 3.3 | 2.2 | 2.8 | 2.7 | 1.8 | 2.6 | 3.6 | 5.7 | 1.2 | 1.2 | 2.0 | 4.1 | 4.0 | 3.2 |
| Naphtha-Type Jet Fuel | 1.8 | 1.7 | 1.8 | 1.7 | 1.0 | 1.7 | 1.5 | 1.2 | 6.0 | 1.3 | 1.1 | 3.5 | 2.0 | 1.9 | 16.7 | 1.8 |
| Kerosene-Type Jet Fuel | 3.7 | 0 | 3.5 | .3 | 5.5 | 4.3 | 5.1 | 5.2 | 7.8 | 10.0 | .1 | 5.7 | 12.1 | 8.1 | 4.2 | 7.5 |
| Kerosene | .4 | 1.3 | .4 | 5.2 | .4 | .3 | -.4 | .3 | .2 | 1.0 | .7 | 1.1 | .2 | 1.1 | 1.5 | .7 |
| Distillate Fuel Oil | 20.6 | 29.0 | 21.1 | 23.7 | 22.7 | 26.2 | 29.6 | 24.6 | 25.7 | 21.2 | 30.8 | 27.5 | 17.0 | 21.4 | 30.7 | 21.6 |
| Residual Fuel Oil | 8.0 | 2.6 | 7.7 | 3.0 | 2.4 | 2.7 | 2.5 | 2.5 | 5.2 | 4.0 | 4.1 | 2.3 | 15.2 | 4.6 | .5 | 6.3 |
| Naphtha < 400 Deg. F. Petro. Feed. Use | .6 | 0 | .5 | 0 | 1.0 | 0 | .6 | .8 | .5 | .2 | .3 | 0 | .2 | 1.4 | 0 | .9 |
| Other Oils > 400 Deg. F. Petro. Feed. Use | .0 | 0 | .0 | 0 | .2 | 0 | 0 | .1 | .7 | 4.3 | 0 | 4.3 | .3 | .0 | 0 | 2.0 |
| Special Naphthas | .0 | 1.3 | .1 | 0 | .5 | 0 | .9 | .5 | .6 | .2 | 2.1 | .0 | .2 | .6 | 0 | .4 |
| Lubricants | .6 | 12.6 | 1.4 | 0 | .8 | 0 | 1.6 | .9 | 2.4 | 1.5 | 6.6 | .2 | .6 | 2.0 | 0 | 1.3 |
| Waxes | .0 | 2.6 | .2 | 0 | .0 | 0 | .1 | .0 | .1 | .2 | 1.1 | .2 | .1 | .1 | 0 | .1 |
| Petroleum Coke | 3.3 | .6 | 3.1 | 1.5 | 3.6 | 3.7 | 2.9 | 3.4 | 1.8 | 3.0 | 1.3 | 1.8 | 4.8 | 3.0 | .4 | 3.4 |
| Asphalt and Road Oil | 8.9 | 4.0 | 8.5 | 7.8 | 6.1 | 12.7 | 3.8 | 6.2 | 3.7 | .7 | 18.4 | 6.4 | 3.9 | 2.1 | 4.4 | 4.2 |
| Still Gas | 4.8 | 3.6 | 4.7 | 2.8 | 4.2 | 3.2 | 3.5 | 3.9 | 2.8 | 5.2 | 3.2 | 3.6 | 5.4 | 4.5 | 2.6 | 4.5 |
| Miscellaneous Products | .4 | 2.2 | .6 | .2 | .3 | .3 | .3 | .3 | -.1 | .6 | .6 | .5 | .2 | .5 | 0 | .4 |
| Processing Gain(-) or Loss(+) ⁴ | -4.9 | 1.9 | -4.4 | -4.4 | -4.8 | -3.1 | -4.0 | -4.4 | -1.8 | -4.2 | -4.6 | -2.0 | -5.8 | -3.9 | -1.8 | -4.4 |

¹ Based on crude oil input and net reruns of unfinished oils.² Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.³ Based on finished aviation gasoline output plus net output of aviation gasoline blending components.⁴ Represents the difference between Input and Production.

Note: Total may not equal sum of components due to independent rounding.

Note: See Explanatory 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 16. Imports of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | Total |
|---|--|---------------|---------------|--------------|--------------|----------------|
| | I | II | III | IV | V | |
| Crude Oil (including lease condensate) ^{1 2} | 33,500 | 15,098 | 58,430 | 900 | 5,109 | 113,038 |
| Natural Gas Liquids | 1,276 | 2,982 | 137 | 414 | 257 | 5,067 |
| Pentanes Plus | 876 | 0 | 7 | 105 | 0 | 987 |
| Liquefied Petroleum Gases | 400 | 2,982 | 131 | 309 | 257 | 4,080 |
| Ethane | (s) | 1,943 | 0 | 0 | 0 | 1,944 |
| Propane | 163 | 611 | 58 | 157 | 32 | 1,021 |
| Normal Butane | 142 | 257 | 46 | 91 | 135 | 671 |
| Isobutane | 95 | 171 | 27 | 61 | 90 | 443 |
| Other Liquids ¹ | 2,382 | 308 | 4,953 | 0 | 1,400 | 9,044 |
| Unfinished Oils ¹ | 1,272 | 308 | 4,621 | 0 | 725 | 6,926 |
| Motor Gasoline Blending Components | 1,110 | 0 | 332 | 0 | 670 | 2,112 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 6 | 6 |
| Finished Petroleum Products | 29,410 | 2,594 | 6,041 | 227 | 1,587 | 39,860 |
| Finished Motor Gasoline | 6,549 | 55 | 682 | 71 | 315 | 7,671 |
| Finished Leaded Motor Gasoline | 1,982 | 44 | 0 | 70 | 11 | 2,107 |
| Finished Unleaded Motor Gasoline | 4,567 | 11 | 682 | 1 | 304 | 5,564 |
| Finished Aviation Gasoline | 188 | 0 | 0 | 0 | 0 | 188 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 719 | 0 | 0 | 0 | 340 | 1,059 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 719 | 0 | 0 | 0 | 340 | 1,059 |
| Kerosene | 267 | 0 | 0 | 0 | 0 | 267 |
| Disillate Fuel Oil | 5,293 | 258 | 1 | 133 | 460 | 6,145 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 5,293 | 258 | 1 | 133 | 460 | 6,145 |
| Residual Fuel Oil | 15,551 | 48 | 2,506 | 11 | 369 | 18,486 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 15,551 | 48 | 2,506 | 11 | 369 | 18,486 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 6 | 8 | 1,254 | 0 | 0 | 1,269 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 312 | 2,209 | 1,493 | (s) | 31 | 4,046 |
| Lubricants | 95 | 6 | 59 | 0 | 65 | 225 |
| Waxes | 12 | 7 | 9 | 0 | 6 | 34 |
| Asphalt and Road Oil | 407 | 0 | 37 | 11 | 0 | 455 |
| Miscellaneous Products | 9 | 4 | 0 | (s) | 1 | 14 |
| Total Imports | 66,568 | 20,984 | 69,562 | 1,541 | 8,354 | 167,009 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 17. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January - July 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | Total |
|--|--|----------------|----------------|---------------|---------------|------------------|
| | I | II | III | IV | V | |
| Crude Oil (including lease condensate) ^{1 2} | 186,133 | 110,648 | 379,231 | 6,839 | 43,344 | 726,195 |
| Natural Gas Liquids | 9,585 | 30,853 | 3,681 | 3,533 | 3,576 | 51,227 |
| Pentananes plus | 6,512 | 0 | 731 | 771 | 510 | 8,524 |
| Liquefied Petroleum Gases | 3,073 | 30,853 | 2,950 | 2,762 | 3,066 | 42,703 |
| Ethane | 1 | 17,981 | 0 | 0 | 0 | 17,982 |
| Propane | 1,764 | 8,059 | 1,334 | 1,410 | 499 | 13,066 |
| Normal Butane | 785 | 2,888 | 1,027 | 811 | 1,540 | 7,051 |
| Isobutane | 523 | 1,925 | 589 | 541 | 1,027 | 4,605 |
| Other Liquids ¹ | 23,154 | 2,460 | 32,605 | 0 | 9,074 | 67,293 |
| Unfinished Oils ¹ | 14,495 | 2,385 | 30,841 | 0 | 4,258 | 51,979 |
| Motor Gasoline Blending Components | 8,659 | 75 | 1,764 | 0 | 4,811 | 15,308 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 6 | 6 |
| Finished Petroleum Products | 261,032 | 7,955 | 35,560 | 1,310 | 10,749 | 316,606 |
| Finished Motor Gasoline | 52,277 | 722 | 4,473 | 411 | 4,016 | 61,899 |
| Finished Leaded Motor Gasoline | 24,014 | 439 | 2,800 | 391 | 1,235 | 28,879 |
| Finished Unleaded Motor Gasoline | 28,263 | 283 | 1,674 | 19 | 2,781 | 33,020 |
| Finished Aviation Gasoline | 458 | 0 | 0 | 2 | 7 | 467 |
| Naphtha-Type Jet Fuel | 1,862 | 0 | 1,665 | 0 | 8 | 3,536 |
| Kerosene-Type Jet Fuel | 9,194 | 0 | 0 | 0 | 704 | 9,898 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 9,194 | 0 | 0 | 0 | 704 | 9,898 |
| Kerosene | 1,719 | 0 | 6 | 0 | (s) | 1,725 |
| Distillate Fuel Oil | 49,085 | 1,640 | 957 | 780 | 1,313 | 53,776 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 49,085 | 1,640 | 957 | 780 | 1,313 | 53,776 |
| Residual Fuel Oil | 140,464 | 1,565 | 14,425 | 100 | 3,107 | 159,661 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 140,464 | 1,565 | 14,425 | 100 | 3,107 | 159,661 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 702 | 99 | 5,547 | 0 | 0 | 6,349 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 2,282 | 3,493 | 6,614 | 3 | 1,055 | 13,447 |
| Lubricants | 1,357 | 76 | 227 | 1 | 486 | 2,147 |
| Waxes | 92 | 37 | 143 | 0 | 22 | 294 |
| Asphalt and Road Oil | 603 | 16 | 72 | 11 | 3 | 705 |
| Miscellaneous Products | 937 | 306 | 1,432 | 2 | 27 | 2,703 |
| Total Imports | 479,904 | 151,915 | 451,077 | 11,681 | 66,743 | 1,161,321 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, July 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphtnas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|------------------|------------------------------|-------------------------|--------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 5,787 | 0 | 345 | 0 | 0 | 0 | 0 | 885 | 1,847 | 259 | 1,165 | 4,500 | 10,288 | 332 |
| Iraq | 2,078 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,078 | 67 |
| Kuwait | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 6 |
| Saudi Arabia | 13,193 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 102 | 13,295 | 429 |
| United Arab Emirates | 2,762 | 0 | 253 | 447 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,463 | 112 |
| Subtotal Arab OPEC | 24,019 | 102 | 598 | 447 | 0 | 0 | 0 | 885 | 1,847 | 259 | 1,165 | 5,303 | 29,322 | 946 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 477 | 0 | 0 | 477 | 1,961 | 63 |
| Gabon | 3,269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,269 | 105 |
| Indonesia | 10,644 | 0 | 248 | 0 | 153 | 11 | 0 | 2 | 607 | 229 | (s) | 1,250 | 11,894 | 384 |
| Nigeria | 6,089 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 248 | 248 | 6,337 | 204 |
| Venezuela | 8,436 | 0 | 440 | 3 | 2,634 | 487 | 0 | 1,918 | 2,392 | 0 | 266 | 8,139 | 16,575 | 535 |
| Subtotal Other OPEC | 29,920 | 0 | 688 | 3 | 2,787 | 498 | 0 | 1,920 | 3,476 | 229 | 514 | 10,114 | 40,034 | 1,291 |
| Other | | | | | | | | | | | | | | |
| Angola | 2,113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,113 | 68 |
| Australia | 783 | 0 | 0 | 0 | 94 | 29 | 0 | 57 | 545 | 0 | 73 | 797 | 1,580 | 51 |
| Bahamas | 0 | 0 | 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | 434 | 434 | 14 |
| Brazil | 0 | 0 | 0 | 0 | 466 | 0 | 0 | 0 | 1,443 | 0 | 0 | 1,909 | 1,909 | 62 |
| Canada | 9,036 | 3,744 | 328 | 0 | 178 | 0 | 5 | 677 | 1,117 | 2,298 | 410 | 8,756 | 17,791 | 574 |
| Congo | 2,414 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 395 | 0 | 0 | 395 | 2,809 | 91 |
| Egypt | 448 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 448 | 14 |
| France | 0 | 0 | 0 | 0 | 215 | 0 | 0 | 0 | 299 | 0 | (s) | 514 | 514 | 17 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 134 | 0 | 0 | 134 | 134 | 4 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 20,405 | 133 | 1,469 | 0 | 0 | 0 | 0 | 0 | 303 | 292 | 268 | 2,465 | 22,871 | 738 |
| Netherlands | 0 | 0 | 611 | 29 | 893 | 0 | 0 | 270 | 430 | 5 | 252 | 1,879 | 1,879 | 61 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 129 | 0 | 185 | 2,107 | 0 | 51 | 3,082 | 3,082 | 99 |
| Norway | 5,564 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,564 | 179 |
| Oman | 556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 556 | 18 |
| People's Republic of China | 677 | 0 | 173 | 998 | 0 | 0 | 0 | 0 | 275 | 0 | 0 | 1,171 | 1,848 | 60 |
| Peru | 0 | 0 | 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 459 | 459 | 15 |
| Puerto Rico | 0 | 0 | 83 | 0 | 245 | 0 | 0 | 0 | 0 | 425 | 86 | 841 | 841 | 27 |
| Romania | 0 | 0 | 0 | 380 | 409 | 0 | 0 | 0 | 0 | 239 | 0 | 1,029 | 1,029 | 33 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 902 | 0 | 0 | 902 | 902 | 120 |
| Trinidad and Tobago | 2,822 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,822 | (s) |
| Tunisia | 2 | 101 | 0 | 0 | 207 | 0 | 0 | 0 | 0 | 0 | 5 | 313 | 11,215 | 362 |
| United Kingdom | 10,902 | 0 | 1,720 | 0 | 1,597 | 360 | 262 | 1,220 | 3,745 | 51 | 104 | 9,059 | 9,059 | 292 |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 |
| Zaire | 1,207 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,207 | 39 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 318 | 895 | 0 | 0 | 1,212 | 1,212 | 39 |
| Other Eastern Hemisphere | 2,171 | (s) | 878 | 254 | 580 | 44 | 0 | 611 | 574 | 248 | 12 | 3,201 | 5,372 | 173 |
| Subtotal Other | 59,099 | 3,978 | 5,640 | 1,661 | 4,884 | 561 | 267 | 3,340 | 13,163 | 3,558 | 1,501 | 38,553 | 97,652 | 3,150 |
| Total Imports | 113,038 | 4,080 | 6,926 | 2,112 | 7,671 | 1,059 | 267 | 6,145 | 18,486 | 4,046 | 3,180 | 53,971 | 167,009 | 5,387 |

PAD District I

Arab OPEC

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|-----|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| United Arab Emirates | 0 | 0 | 0 | 447 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 447 | 447 | 14 |
| Subtotal Arab OPEC | 5,367 | 102 | 0 | 447 | 0 | 0 | 0 | 885 | 1,170 | 0 | 528 | 3,133 | 8,500 | 274 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 477 | 0 | 0 | 477 | 477 | 15 |
| Gabon | 1,379 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,379 | 44 |
| Indonesia | 2,201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 375 | 0 | 0 | 375 | 2,576 | 83 |
| Nigeria | 883 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 883 | 28 |
| Venezuela | 3,386 | 0 | 0 | 0 | 1,952 | 231 | 0 | 1,918 | 1,771 | 0 | 266 | 6,137 | 9,523 | 307 |
| Subtotal Other OPEC | 7,849 | 0 | 0 | 0 | 1,952 | 231 | 0 | 1,918 | 2,623 | 0 | 266 | 6,989 | 14,838 | 479 |
| Other | | | | | | | | | | | | | | |
| Angola | 697 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 697 | 22 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,443 | 0 | 0 | 1,909 | 1,909 | 62 |
| Brazil | 0 | 0 | 0 | 0 | 466 | 0 | 0 | 0 | 994 | 0 | 0 | 1,777 | 2,992 | 97 |
| Canada | 1,216 | 197 | 5 | 0 | 33 | 0 | 5 | 261 | 0 | 22 | 261 | 1,777 | 1,754 | 57 |
| Congo | 1,359 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 395 | 0 | 0 | 395 | 0 | 14 |
| Egypt | 448 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 448 | 17 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 299 | 0 | (s) | 514 | 514 | 17 |
| Liberia | 0 | 0 | 0 | 0 | 215 | 0 | 0 | 0 | 134 | 0 | 0 | 134 | 134 | 4 |
| Mexico | 4,123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 296 | 291 | 188 | 775 | 4,896 | 158 |
| Netherlands | 0 | 0 | 0 | 29 | 893 | 0 | 0 | 270 | 430 | 0 | 249 | 1,872 | 1,872 | 60 |
| Netherlands Antilles | 0 | 0 | 611 | 0 | 0 | 129 | 0 | 185 | 2,107 | 0 | 0 | 3,032 | 3,032 | 98 |
| Norway | 3,263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,263 | 105 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 677 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 677 | 22 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 275 | 0 | 0 | 275 | 275 | 9 |
| Puerto Rico | 0 | 0 | 83 | 0 | 245 | 0 | 0 | 0 | 0 | 0 | 86 | 415 | 415 | 13 |
| Romania | 0 | 0 | 0 | 380 | 409 | 0 | 0 | 0 | 0 | 0 | 0 | 789 | 789 | 25 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 463 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 902 | 0 | 0 | 902 | 1,365 | 44 |
| Tunisia | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | (s) |
| United Kingdom | 6,745 | 101 | 0 | 0 | 207 | 0 | 0 | 0 | 0 | 0 | 5 | 313 | 7,058 | 228 |
| Virgin Islands | 0 | 0 | 573 | 0 | 1,597 | 360 | 262 | 1,220 | 3,255 | 0 | 0 | 7,268 | 7,268 | 234 |
| Zaire | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 7 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 895 | 0 | 0 | 895 | 895 | 29 |
| Other Eastern Hemisphere | 1,068 | (s) | 0 | 254 | 531 | 0 | 0 | 554 | 333 | 0 | 11 | 1,683 | 2,752 | 89 |
| Subtotal Other | 20,284 | 298 | 1,272 | 663 | 4,597 | 488 | 267 | 2,490 | 11,758 | 312 | 800 | 22,946 | 43,230 | 1,395 |
| Total Imports | 33,500 | 400 | 1,272 | 1,110 | 6,549 | 719 | 267 | 5,293 | 15,551 | 312 | 1,594 | 33,068 | 66,568 | 2,147 |
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 620 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 620 | 20 |
| Kuwait | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 6 |
| Saudi Arabia | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 6 |
| United Arab Emirates | 397 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 397 | 13 |
| Subtotal Arab OPEC | 1,415 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,415 | 46 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, July 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphtha | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|-------------|-------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|--------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District II | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 369 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 369 | 12 |
| Nigeria | 1,434 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,434 | 46 |
| Subtotal Other OPEC | 1,802 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,802 | 58 |
| Other | | | | | | | | | | | | | | |
| Canada | 6,564 | 2,982 | 308 | 0 | 55 | 0 | 0 | 258 | 48 | 2,209 | 25 | 5,885 | 12,449 | 402 |
| Congo | 530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 530 | 17 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) |
| Mexico | 3,655 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,655 | 118 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 456 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 456 | 15 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) |
| Other Eastern Hemisphere | 676 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 677 | 22 |
| Subtotal Other | 11,881 | 2,982 | 308 | 0 | 55 | 0 | 0 | 258 | 48 | 2,209 | 25 | 5,885 | 17,766 | 573 |
| Total Imports | 15,098 | 2,982 | 308 | 0 | 55 | 0 | 0 | 258 | 48 | 2,209 | 25 | 5,885 | 20,984 | 677 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 3,438 | 0 | 345 | 0 | 0 | 0 | 0 | 0 | 676 | 259 | 637 | 1,917 | 5,355 | 173 |
| Iraq | 2,078 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,078 | 67 |
| Saudi Arabia | 9,356 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,356 | 302 |
| United Arab Emirates | 2,365 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 2,619 | 84 |
| Subtotal Arab OPEC | 17,237 | 0 | 598 | 0 | 0 | 0 | 0 | 0 | 676 | 259 | 637 | 2,170 | 19,407 | 626 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,114 | 36 |
| Gabon | 1,890 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,890 | 61 |
| Indonesia | 4,472 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 229 | 0 | 428 | 4,900 | 158 |
| Nigeria | 3,772 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 248 | 248 | 4,020 | 130 |
| Venezuela | 5,049 | 0 | 440 | 3 | 682 | 0 | 0 | 0 | 621 | 0 | 0 | 1,746 | 6,795 | 219 |
| Subtotal Other OPEC | 16,298 | 0 | 440 | 3 | 682 | 0 | 0 | 0 | 821 | 229 | 248 | 2,422 | 18,720 | 604 |
| Other | | | | | | | | | | | | | | |
| Angola | 1,416 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,416 | 46 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 | 0 | 29 | 549 | 549 | 18 |
| Bahamas | 0 | 0 | 193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | 434 | 434 | 14 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 40 | 40 | 1 |
| Congo | 526 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 526 | 17 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) |
| Mexico | 12,627 | 131 | 1,469 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 75 | 1,677 | 14,304 | 461 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | (s) |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 29 | 29 | 1 |
| Norway | 2,300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,300 | 74 |
| Oman | 556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 556 | 18 |
| People's Republic of China | 0 | 0 | 0 | 329 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 329 | 329 | 11 |
| Peru | 0 | 0 | 184 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 184 | 184 | 6 |

| Source | Crude Oil 1 | LPG | Unfinished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kerosene | Distill. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Products 2 | Total Products | Total Petroleum | Total (Daily Average) |
|----------------------------------|---------------|------------|-----------------|------------------------------|-------------------------|------------|----------|-------------------|-----------------|------------------|------------------|----------------|-----------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 425 | 0 | 425 | 425 | 14 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 239 | 239 | 8 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 1,903 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,903 | 0 | 1,903 | 1,903 | 61 |
| United Kingdom | 4,157 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,157 | 0 | 4,157 | 4,157 | 134 |
| Virgin Islands | 0 | 0 | 1,147 | 0 | 0 | 0 | 0 | 0 | 490 | 51 | 104 | 1,792 | 1,792 | 58 |
| Zaire | 985 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 985 | 985 | 32 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 426 | 0 | 590 | 0 | 0 | 0 | 0 | 0 | 0 | 248 | (s) | 838 | 1,264 | 41 |
| Subtotal Other | 24,896 | 131 | 3,583 | 329 | 0 | 0 | 0 | 1 | 1,009 | 1,005 | 482 | 6,539 | 31,435 | 1,014 |
| Total Imports | 58,430 | 131 | 4,621 | 332 | 682 | 0 | 0 | 1 | 2,506 | 1,493 | 1,366 | 11,132 | 69,562 | 2,244 |
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 900 | 309 | 0 | 0 | 71 | 0 | 0 | 133 | 11 | (s) | 116 | 641 | 1,541 | 50 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 900 | 309 | 0 | 0 | 71 | 0 | 0 | 133 | 11 | (s) | 116 | 641 | 1,541 | 50 |
| Total Imports | 900 | 309 | 0 | 0 | 71 | 0 | 0 | 133 | 11 | (s) | 116 | 641 | 1,541 | 50 |
| PAD District V | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Indonesia | 3,970 | 0 | 248 | 0 | 153 | 11 | 0 | 2 | 33 | 0 | (s) | 447 | 4,418 | 143 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 256 | 0 | 0 | 0 | 0 | 0 | 256 | 256 | 8 |
| Subtotal Other OPEC | 3,970 | 0 | 248 | 0 | 153 | 267 | 0 | 2 | 33 | 0 | (s) | 703 | 4,674 | 151 |
| Other | | | | | | | | | | | | | | |
| Australia | 783 | 0 | 0 | 0 | 94 | 29 | 0 | 57 | 26 | 0 | 43 | 249 | 1,032 | 33 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 356 | 255 | 15 | 0 | 19 | 0 | 0 | 25 | 63 | 27 | 8 | 413 | 769 | 25 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 0 | 2 | 0 | 0 | 0 | 0 | 0 | (s) | 6 | 0 | 5 | 14 | 14 | (s) |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | (s) |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 22 | 22 | 1 |
| People's Republic of China | 0 | 0 | 173 | 670 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 842 | 842 | 27 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 318 | 0 | 0 | 0 | 318 | 318 | 10 |
| Other Eastern Hemisphere | 0 | 0 | 288 | 0 | 49 | 44 | 0 | 58 | 241 | 0 | (s) | 680 | 680 | 22 |
| Subtotal Other | 1,139 | 257 | 477 | 670 | 162 | 73 | 0 | 458 | 337 | 31 | 78 | 2,542 | 3,681 | 119 |
| Total Imports | 5,109 | 257 | 725 | 670 | 315 | 340 | 0 | 460 | 369 | 31 | 79 | 3,245 | 8,354 | 269 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 19. Year-to-Date Imports Of Crude Oil and Petroleum Products by Source and PAD District, January - July 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|-------------|--------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 42,170 | 180 | 598 | 0 | 434 | 327 | 0 | 3,826 | 13,480 | 2,304 | 4,391 | 25,541 | 67,711 | 318 |
| Iraq | 2,179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,179 | 10 |
| Kuwait | 4,103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,685 | 0 | 0 | 3,685 | 7,788 | 37 |
| Saudi Arabia | 75,970 | 605 | 1,119 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | (s) | 2,737 | 78,707 | 370 |
| United Arab Emirates | 17,519 | 0 | 1,049 | 993 | 0 | 221 | 0 | 0 | 1,745 | 0 | 1,586 | 5,594 | 23,113 | 109 |
| Subtotal Arab OPEC | 141,942 | 785 | 2,766 | 993 | 434 | 548 | 0 | 3,826 | 19,924 | 2,304 | 5,977 | 37,557 | 179,498 | 843 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 10,523 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,870 | 0 | 0 | 1,870 | 12,393 | 58 |
| Gabon | 11,803 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 12,110 | 57 |
| Indonesia | 60,795 | 1,356 | 2,035 | 0 | 1,066 | 139 | 0 | 268 | 4,580 | 696 | 73 | 10,213 | 71,008 | 333 |
| Iran | 2,071 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,071 | 10 |
| Nigeria | 51,900 | 0 | 1,582 | 0 | 0 | 0 | 0 | 53 | 90 | 0 | 248 | 1,973 | 53,873 | 253 |
| Venezuela | 54,382 | 0 | 3,227 | 672 | 12,749 | 2,693 | 0 | 11,961 | 25,865 | 68 | 772 | 58,008 | 112,390 | 528 |
| Subtotal Other OPEC | 191,475 | 1,356 | 6,845 | 672 | 13,815 | 2,832 | 0 | 12,283 | 32,651 | 824 | 1,092 | 72,370 | 263,845 | 1,239 |
| Other | | | | | | | | | | | | | | |
| Angola | 17,981 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 568 | 0 | 0 | 568 | 18,549 | 87 |
| Australia | 3,572 | 96 | 0 | 0 | 404 | 65 | 0 | 123 | 1,378 | 0 | 208 | 2,274 | 5,847 | 27 |
| Bahamas | 0 | 0 | 5,731 | 0 | 0 | 659 | 69 | 3,535 | 4,749 | 0 | 2,352 | 17,095 | 17,095 | 80 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 2 | 0 | 0 | 0 | 4,698 | 0 | 0 | 0 | 6,522 | 202 | 24 | 11,445 | 11,447 | 54 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 71,583 | 38,288 | 2,155 | 75 | 3,440 | 8 | 37 | 7,209 | 5,911 | 4,016 | 2,759 | 63,897 | 135,479 | 636 |
| Congo | 7,842 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,305 | 0 | 0 | 1,305 | 9,146 | 43 |
| Egypt | 2,290 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,290 | 11 |
| France | 0 | (s) | (s) | 0 | 376 | 0 | (s) | 0 | 299 | (s) | 11 | 687 | 687 | 3 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 119 | 119 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 9 |
| Malaysia | 0 | 0 | 125 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 409 | 409 | 2 |
| Mexico | 141,438 | 1,604 | 6,852 | 3,511 | 439 | 244 | 0 | 1,094 | 1,030 | 293 | 487 | 15,554 | 156,993 | 737 |
| Netherlands | 1,045 | (s) | 0 | 378 | 5,628 | 196 | 0 | 6,441 | 1,418 | 336 | 765 | 15,162 | 16,207 | 76 |
| Netherlands Antilles | 0 | 28 | 7,593 | 426 | 5,831 | 735 | 0 | 2,382 | 27,305 | 0 | 155 | 44,454 | 44,454 | 209 |
| Norway | 24,770 | (s) | 0 | 0 | 0 | 451 | 0 | 366 | 0 | 0 | 0 | 817 | 25,587 | 120 |
| Oman | 1,549 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,239 | 0 | 0 | 1,239 | 2,787 | 13 |
| People's Republic of China | 2,342 | 0 | 494 | 4,703 | 599 | 0 | 0 | 0 | 0 | 347 | 3 | 6,146 | 8,487 | 40 |
| Peru | 224 | 0 | 557 | 0 | 0 | 0 | 0 | 0 | 4,597 | 0 | 0 | 5,153 | 5,377 | 25 |
| Puerto Rico | 0 | 0 | 1,209 | 2,894 | 2,716 | 253 | 0 | 1,011 | 0 | 2,637 | 1,288 | 9,114 | 9,114 | 43 |
| Romania | 0 | 0 | 252 | 0 | 1,326 | 0 | 0 | 0 | 389 | 423 | 2,870 | 8,154 | 8,154 | 38 |
| Spain | 0 | 0 | 218 | 0 | 967 | 1,016 | 0 | 123 | 782 | 0 | 18 | 3,123 | 3,123 | 15 |
| Trinidad and Tobago | 16,356 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 1,731 | 7 | 16 | 1,767 | 18,124 | 85 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| United Kingdom | 70,282 | 418 | 737 | 370 | 2,401 | 325 | 0 | 163 | 655 | 156 | 714 | 5,939 | 76,220 | 358 |
| Virgin Islands | 0 | 0 | 8,509 | 0 | 11,116 | 4,579 | 1,553 | 11,848 | 28,832 | 306 | 339 | 67,082 | 67,082 | 315 |
| Zaire | 6,733 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,733 | 32 |
| Other Western Hemisphere | 572 | 127 | 1,699 | 0 | 0 | 0 | 6 | 361 | 6,843 | 203 | 144 | 9,382 | 9,955 | 47 |

See footnotes at end of table.

Table 19. Year-to-Date Imports Of Crude Oil and Petroleum Products by Source and PAD District, January - July 1984

(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unim-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphtas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------|-------------|--------|-----------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|-----------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Other Eastern Hemisphere | 23,934 | | | | 7,552 | 1,517 | 60 | 2,990 | 9,435 | 1,393 | 1,972 | 32,432 | 56,366 | 265 |
| Subtotal Other | 392,778 | 40,562 | 6,224 | 1,287 | 47,649 | 10,054 | 1,725 | 37,667 | 107,086 | 10,319 | 14,126 | 325,200 | 717,978 | 3,371 |
| Total Imports | 726,195 | 42,703 | 51,979 | 15,308 | 61,899 | 13,434 | 1,725 | 53,776 | 159,661 | 13,447 | 21,195 | 435,126 | 1,161,321 | 5,452 |
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 10,895 | 180 | 0 | 0 | 434 | 327 | 0 | 3,776 | 12,804 | 218 | 1,271 | 19,010 | 29,904 | 140 |
| Kuwait | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1 |
| Saudi Arabia | 15,676 | 605 | 867 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1,472 | 17,148 | 81 |
| United Arab Emirates | 436 | 0 | 0 | 993 | 0 | 0 | 0 | 0 | 434 | 0 | 1,338 | 2,765 | 3,201 | 15 |
| Subtotal Arab OPEC | 27,260 | 785 | 867 | 993 | 434 | 327 | 0 | 3,776 | 13,238 | 218 | 2,608 | 23,246 | 50,506 | 237 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,870 | 0 | 0 | 1,870 | 2,172 | 10 |
| Gabon | 2,953 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 3,260 | 15 |
| Indonesia | 15,895 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 1,389 | 0 | 0 | 1,617 | 17,512 | 82 |
| Nigeria | 15,338 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 90 | 0 | 0 | 140 | 15,478 | 73 |
| Venezuela | 15,265 | 0 | 0 | 0 | 10,830 | 2,437 | 0 | 11,961 | 24,368 | 0 | 605 | 50,201 | 65,465 | 307 |
| Subtotal Other OPEC | 49,753 | 0 | 228 | 0 | 10,830 | 2,437 | 0 | 12,012 | 27,963 | 60 | 605 | 54,134 | 103,887 | 488 |
| Other | | | | | | | | | | | | | | |
| Angola | 10,271 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 568 | 0 | 0 | 568 | 10,839 | 51 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 746 | 0 | 0 | 746 | 746 | 4 |
| Bahamas | 0 | 0 | 481 | 0 | 0 | 659 | 69 | 3,256 | 4,749 | 0 | 180 | 9,394 | 9,394 | 44 |
| Brazil | 2 | 0 | 0 | 0 | 3,542 | 0 | 0 | 0 | 6,259 | 0 | (s) | 9,801 | 9,802 | 46 |
| Canada | 7,676 | 1,742 | 41 | 0 | 1,403 | 0 | 36 | 4,649 | 4,175 | 138 | 1,321 | 13,505 | 21,181 | 99 |
| Congo | 3,791 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,305 | 0 | 0 | 1,305 | 5,096 | 24 |
| Egypt | 1,616 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,616 | 8 |
| France | 0 | (s) | 0 | 0 | 376 | 0 | 0 | 0 | 299 | (s) | 1 | 676 | 676 | 3 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 0 | 0 | 119 | 119 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 9 |
| Mexico | 19,201 | 0 | 0 | 3,216 | (s) | 215 | 0 | 885 | 625 | 291 | 221 | 5,453 | 24,654 | 116 |
| Netherlands | 1 | (s) | 0 | 219 | 5,628 | 196 | 0 | 6,441 | 1,418 | 36 | 250 | 14,188 | 14,188 | 67 |
| Netherlands Antilles | 0 | 0 | 6,595 | 426 | 4,753 | 695 | 0 | 2,023 | 27,113 | 0 | 7 | 41,613 | 41,613 | 195 |
| Norway | 16,316 | 0 | 0 | 0 | 0 | 89 | 0 | 366 | 0 | 0 | 0 | 456 | 16,772 | 79 |
| Oman | 993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 585 | 0 | 0 | 585 | 1,578 | 7 |
| People's Republic of China | 1,982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 1,982 | 9 |
| Peru | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,335 | 0 | 0 | 4,335 | 4,337 | 20 |
| Puerto Rico | 0 | 0 | 1,209 | 0 | 2,716 | 253 | 0 | 772 | 0 | 895 | 1,238 | 7,083 | 7,083 | 33 |
| Romania | 0 | 0 | 252 | 2,672 | 1,326 | 825 | 0 | 0 | 389 | 183 | 2,870 | 7,693 | 7,693 | 36 |
| Spain | 0 | 0 | 0 | 0 | 967 | 0 | 0 | 123 | 782 | 0 | (s) | 2,697 | 2,697 | 13 |
| Trinidad and Tobago | 2,754 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 1,731 | 7 | 0 | 1,751 | 4,505 | 21 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| United Kingdom | 36,285 | 417 | 471 | 79 | 2,274 | 154 | 0 | 163 | 655 | (s) | 287 | 4,499 | 40,784 | 191 |

See footnotes at end of table.

Table 19. Year-to-Date Imports Of Crude Oil and Petroleum Products by Source and PAD District, January - July 1984
(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|-------------|--------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Virgin Islands | 0 | 0 | 3,723 | 0 | 11,116 | 4,579 | 1,553 | 11,848 | 28,007 | 0 | 0 | 60,826 | 60,826 | 286 |
| Zaire | 2,990 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,990 | 14 |
| Other Western Hemisphere | 0 | 127 | 611 | 0 | 0 | 0 | 0 | 32 | 6,843 | 0 | 8 | 7,620 | 7,620 | 36 |
| Other Eastern Hemisphere | 5,237 | 2 | 4 | 1,053 | 6,913 | 627 | 60 | 2,739 | 6,679 | 455 | 1,064 | 19,597 | 24,834 | 117 |
| Subtotal Other | 109,120 | 2,288 | 13,400 | 7,665 | 41,013 | 8,292 | 1,719 | 33,298 | 99,263 | 2,004 | 7,448 | 216,391 | 325,511 | 1,528 |
| Total Imports | 186,133 | 3,073 | 14,495 | 8,659 | 52,277 | 11,056 | 1,719 | 49,085 | 140,464 | 2,282 | 10,661 | 293,771 | 479,904 | 2,253 |
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 5,359 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,359 | 25 |
| Kuwait | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 1 |
| Saudi Arabia | 2,291 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,291 | 11 |
| United Arab Emirates | 1,472 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,472 | 7 |
| Subtotal Arab OPEC | 9,322 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,322 | 44 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,799 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,799 | 8 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 1,040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,040 | 5 |
| Nigeria | 6,266 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 6,469 | 30 |
| Venezuela | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 417 | 2 |
| Subtotal Other OPEC | 9,521 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 9,725 | 46 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 218 | 1 |
| Canada | 51,423 | 30,851 | 1,964 | 75 | 722 | 0 | 0 | 1,640 | 1,565 | 3,493 | 532 | 40,841 | 92,264 | 433 |
| Congo | 1,957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,957 | 9 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Mexico | 28,267 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28,267 | 133 |
| Netherlands | 1,044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,044 | 5 |
| Norway | 519 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 | 2 |
| Peru | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 5,563 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,563 | 26 |
| United Kingdom | 1,727 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1,730 | 8 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 1,083 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1,085 | 5 |
| Subtotal Other | 91,805 | 30,853 | 2,182 | 75 | 722 | 0 | 0 | 1,640 | 1,565 | 3,493 | 535 | 41,064 | 132,869 | 624 |
| Total Imports | 110,648 | 30,853 | 2,365 | 75 | 722 | 0 | 0 | 1,640 | 1,565 | 3,493 | 535 | 41,267 | 151,915 | 713 |

See footnotes at end of table.

(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|-------------------------|---|-------------------------------|--------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 24,983 | 0 | 345 | 0 | 0 | 0 | 0 | 50 | 676 | 2,086 | 3,120 | 6,278 | 31,261 | 147 |
| Iraq | 2,179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,179 | 10 |
| Kuwait | 3,652 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,685 | 0 | 0 | 3,685 | 7,336 | 34 |
| Saudi Arabia | 58,002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | 0 | 1,013 | 59,015 | 277 |
| United Arab Emirates | 15,611 | 0 | 780 | 0 | 0 | 221 | 0 | 0 | 1,311 | 0 | 249 | 2,561 | 18,171 | 85 |
| Subtotal Arab OPEC | 104,427 | 0 | 1,125 | 0 | 0 | 221 | 0 | 50 | 6,686 | 2,086 | 3,369 | 13,537 | 117,963 | 554 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 8,062 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,062 | 38 |
| Gabon | 8,850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,850 | 42 |
| Indonesia | 13,881 | 1,356 | 0 | 0 | 0 | 0 | 0 | 0 | 1,918 | 229 | 71 | 3,574 | 17,456 | 82 |
| Iran | 1,032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,032 | 5 |
| Nigeria | 30,296 | 0 | 1,379 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 248 | 1,630 | 31,926 | 150 |
| Venezuela | 38,288 | 0 | 3,227 | 672 | 1,674 | 0 | 0 | 0 | 1,497 | 68 | 167 | 7,305 | 45,592 | 214 |
| Subtotal Other OPEC | 100,409 | 1,356 | 4,606 | 672 | 1,674 | 0 | 0 | 3 | 3,416 | 297 | 486 | 12,509 | 112,918 | 530 |
| Other | | | | | | | | | | | | | | |
| Angola | 7,710 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,710 | 36 |
| Australia | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 | 0 | 164 | 684 | 685 | 3 |
| Bahamas | 0 | 0 | 5,032 | 0 | 0 | 0 | 0 | 279 | 0 | 0 | 2,172 | 7,483 | 7,483 | 35 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 0 | 0 | 0 | 0 | 1,156 | 0 | 0 | 0 | 263 | 202 | 23 | 1,645 | 1,645 | 8 |
| Canada | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 226 | 71 | 297 | 298 | 1 |
| Congo | 2,093 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,093 | 10 |
| Egypt | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 674 | 3 |
| France | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 10 | 11 | 11 | (s) |
| Malaysia | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 125 | 1 |
| Mexico | 93,970 | 1,567 | 6,852 | 294 | 439 | 29 | 0 | 199 | 360 | 2 | 244 | 9,985 | 103,956 | 488 |
| Netherlands | 0 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 0 | 295 | 515 | 970 | 970 | 5 |
| Netherlands Antilles | 0 | 28 | 998 | 0 | 1,078 | 0 | 0 | 358 | 0 | 0 | 59 | 2,521 | 2,521 | 12 |
| Norway | 7,935 | (s) | 0 | 0 | 0 | 361 | 0 | 0 | 654 | 0 | 0 | 361 | 8,297 | 39 |
| Oman | 556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 654 | 1,209 | 6 |
| People's Republic of China | 360 | 0 | 0 | 329 | 0 | 0 | 0 | 0 | 262 | 0 | 0 | 329 | 688 | 3 |
| Peru | 0 | 0 | 557 | 0 | 0 | 0 | 0 | 0 | 0 | 1,742 | 0 | 1,742 | 818 | 4 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 239 | 239 | 8 |
| Romania | 0 | 0 | 0 | 0 | 0 | 190 | 0 | 0 | 0 | 0 | 18 | 427 | 427 | 2 |
| Spain | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 8,056 | 38 |
| Trinidad and Tobago | 8,039 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 156 | 426 | 1,437 | 33,706 | 158 |
| United Kingdom | 32,269 | 0 | 266 | 291 | 127 | 171 | 0 | (s) | 0 | 306 | 339 | 6,256 | 6,256 | 29 |
| Virgin Islands | 0 | 0 | 4,785 | 0 | 0 | 0 | 0 | 0 | 825 | 0 | 0 | 0 | 3,743 | 18 |
| Zaire | 3,743 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Western Hemisphere | 572 | 0 | 1,088 | 0 | 0 | 0 | 0 | 6 | 0 | 203 | 136 | 1,444 | 2,017 | 9 |
| Other Eastern Hemisphere | 16,210 | 0 | 5,188 | 18 | 0 | 693 | 0 | 56 | 1,441 | 858 | 103 | 8,358 | 24,567 | 115 |
| Subtotal Other | 174,394 | 1,594 | 25,110 | 1,092 | 2,800 | 1,445 | 6 | 904 | 4,323 | 4,230 | 4,297 | 45,801 | 220,195 | 1,034 |
| Total Imports | 379,231 | 2,950 | 30,841 | 1,764 | 4,473 | 1,665 | 6 | 957 | 14,425 | 6,614 | 8,151 | 71,846 | 451,077 | 2,118 |

See footnotes at end of table.

Table 19. Year-to-Date Imports Of Crude Oil and Petroleum Products by Source and PAD District, January - July 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|-------------|-------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 6,839 | 2,762 | 0 | 0 | 411 | 0 | 0 | 780 | 100 | 3 | 786 | 4,842 | 11,681 | 55 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 6,839 | 2,762 | 0 | 0 | 411 | 0 | 0 | 780 | 100 | 3 | 786 | 4,842 | 11,681 | 55 |
| Total Imports | 6,839 | 2,762 | 0 | 0 | 411 | 0 | 0 | 780 | 100 | 3 | 786 | 4,842 | 11,681 | 55 |
| PAD District V | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 934 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1,187 | 6 |
| Saudi Arabia | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 252 | 1 |
| United Arab Emirates | 0 | 0 | 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 269 | 1 |
| Subtotal Arab OPEC | 934 | 0 | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 774 | 1,707 | 8 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 360 | 2 |
| Indonesia | 31,019 | 0 | 1,808 | 0 | 1,066 | 139 | 0 | 268 | 1,272 | 467 | 1 | 5,022 | 36,040 | 169 |
| Venezuela | 413 | 0 | 0 | 0 | 246 | 256 | 0 | 0 | 0 | 0 | 0 | 502 | 915 | 4 |
| Subtotal Other OPEC | 31,791 | 0 | 1,808 | 0 | 1,312 | 395 | 0 | 268 | 1,272 | 467 | 1 | 5,524 | 37,315 | 175 |
| Other | | | | | | | | | | | | | | |
| Australia | 3,571 | 96 | 0 | 0 | 404 | 65 | 0 | 123 | 113 | 0 | 44 | 845 | 4,416 | 21 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 5,644 | 2,932 | 151 | 0 | 904 | 8 | (s) | 139 | 70 | 156 | 50 | 4,412 | 10,055 | 47 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 284 | 284 | 1 |
| Mexico | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 11 | 46 | 0 | 22 | 116 | 116 | 1 |
| Netherlands | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | (s) |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 192 | 0 | 89 | 320 | 320 | 2 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 494 | 4,374 | 599 | 0 | 0 | 0 | 0 | 347 | 3 | 5,817 | 5,817 | 27 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 0 | 0 | 288 | 288 | 1 |
| Romania | 0 | 0 | 0 | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 222 | 1 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | (s) |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 318 | 0 | 0 | 0 | 318 | 318 | 1 |
| Other Eastern Hemisphere | 1,404 | (s) | 1,032 | 215 | 638 | 197 | 0 | 195 | 1,314 | 81 | 803 | 4,475 | 5,879 | 28 |
| Subtotal Other | 10,619 | 3,066 | 1,676 | 4,811 | 2,704 | 317 | (s) | 1,045 | 1,834 | 588 | 1,060 | 17,102 | 27,721 | 130 |
| Total Imports | 43,344 | 3,066 | 4,258 | 4,811 | 4,016 | 712 | (s) | 1,313 | 3,107 | 1,055 | 1,061 | 23,399 | 66,743 | 313 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 20. Exports of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|-------|-------|-----|-------|--------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ¹ | 0 | 433 | 0 | 0 | 2,908 | 3,341 |
| Natural Gas Liquids | 67 | 551 | 658 | 0 | 130 | 1,406 |
| Pentanes Plus | 0 | 80 | 0 | 0 | 0 | 80 |
| Liquefied Petroleum Gases | 67 | 472 | 658 | 0 | 130 | 1,326 |
| Ethane | (s) | 160 | 0 | 0 | 0 | 160 |
| Propane | 37 | 135 | 630 | 0 | 52 | 855 |
| Normal Butane | 29 | 97 | 28 | 0 | 78 | 232 |
| Isobutane | 0 | 80 | 0 | 0 | 0 | 80 |
| Finished Motor Gasoline | 2 | 0 | 6 | 0 | 273 | 281 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 0 | 0 | 276 | 0 | 30 | 306 |
| Kerosene | 2 | 0 | 1 | 0 | (s) | 2 |
| Distillate Fuel Oil | 4 | 0 | 146 | 0 | 1,096 | 1,245 |
| Residual Fuel Oil | 200 | 0 | 1,222 | 0 | 1,637 | 3,060 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 46 | 12 | 71 | (s) | 12 | 140 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 1 | 77 | 245 | 0 | (s) | 323 |
| Special Naphthas | 5 | 5 | 33 | 0 | (s) | 43 |
| Lubricants | 69 | 26 | 301 | 2 | 33 | 431 |
| Waxes | 6 | 1 | 38 | 0 | 3 | 48 |
| Petroleum Coke | 28 | 602 | 2,587 | 0 | 2,688 | 5,905 |
| Asphalt | 1 | 32 | 14 | (s) | 1 | 48 |
| Miscellaneous Products | 16 | 1 | 26 | (s) | 4 | 48 |
| Total Product Exports | 445 | 1,308 | 5,624 | 2 | 5,906 | 13,285 |
| Total Exports | 445 | 1,740 | 5,624 | 2 | 8,814 | 16,626 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 21. Year-to-Date Exports Of Crude Oil And Petroleum Products By PAD District, January - July 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|-------|--------|-----|--------|---------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ¹ | 0 | 3,056 | (s) | 0 | 36,277 | 39,333 |
| Natural Gas Liquids | 280 | 3,856 | 5,118 | (s) | 1,167 | 10,422 |
| Pentanes Plus | 0 | 573 | 0 | 0 | 0 | 573 |
| Liquefied Petroleum Gases | 280 | 3,283 | 5,118 | (s) | 1,167 | 9,849 |
| Ethane | (s) | 1,145 | (s) | 0 | 0 | 1,146 |
| Propane | 129 | 966 | 4,167 | (s) | 468 | 5,731 |
| Normal Butane | 151 | 599 | 951 | (s) | 699 | 2,400 |
| Isobutane | 0 | 573 | 0 | 0 | 0 | 573 |
| Finished Motor Gasoline | 132 | 4 | 298 | 0 | 737 | 1,171 |
| Naphtha-Type Jet Fuel | (s) | 0 | 175 | 0 | 0 | 175 |
| Kerosene-Type Jet Fuel | 176 | 139 | 431 | 0 | 329 | 1,075 |
| Kerosene | 16 | 0 | 3 | 0 | (s) | 19 |
| Distillate Fuel Oil | 421 | 56 | 2,480 | (s) | 6,821 | 9,778 |
| Residual Fuel Oil | 633 | 0 | 12,022 | 0 | 19,318 | 31,973 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 402 | 65 | 797 | 6 | 162 | 1,432 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 2 | 208 | 2,872 | 0 | 263 | 3,345 |
| Special Naphthas | 45 | 71 | 223 | 3 | 247 | 589 |
| Lubricants | 821 | 204 | 2,179 | 9 | 310 | 3,523 |
| Waxes | 34 | 4 | 215 | 0 | 25 | 278 |
| Petroleum Coke | 1,384 | 1,785 | 23,193 | 4 | 16,901 | 43,266 |
| Asphalt | 15 | 43 | 26 | 3 | 10 | 98 |
| Miscellaneous Products | 107 | 12 | 86 | (s) | 22 | 229 |
| Total Product Exports | 4,469 | 6,446 | 50,119 | 25 | 46,313 | 107,373 |
| Total Exports | 4,469 | 9,503 | 50,119 | 25 | 82,590 | 146,706 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with

Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories

(especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical

Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, July 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphtinas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------|-------------|-----|-------------------------|----------|----------------|-------------------|-------------------|------------|-------|----------------|---------|--------|-------|-----------------------|
| Argentina | 0 | 0 | 0 | 276 | 0 | 0 | 0 | 32 | 1 | 1 | 0 | 0 | 309 | 10 |
| Australia | 0 | 1 | 269 | 0 | (s) | 0 | 0 | 8 | (s) | 94 | (s) | 22 | 395 | 13 |
| Bahamas | 0 | 21 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | (s) | 24 | 1 |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 1 | (s) |
| Belgium & Luxembourg | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 795 | 0 | 1 | 798 | 26 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 192 | 0 | 1 | 193 | 6 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 30 | 0 | 0 | 30 | 1 |
| Canada | 433 | 473 | 1 | 0 | 66 | 497 | 4 | 50 | 5 | 621 | 32 | 193 | 2,374 | 77 |
| Chile | 0 | 0 | 6 | 0 | 0 | 0 | (s) | 8 | (s) | 0 | (s) | 1 | 15 | (s) |
| China (Taiwan) | 0 | (s) | 0 | 0 | 235 | 487 | (s) | 10 | (s) | 1 | (s) | 2 | 736 | 24 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 1 | 0 | 0 | 1 | 11 | (s) |
| Costa Rica | 0 | 0 | (s) | 0 | 0 | 0 | 3 | 7 | (s) | 0 | 0 | 1 | 142 | 5 |
| Denmark | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 141 | 0 | (s) | 95 | 3 |
| Dominican Republic | 0 | 60 | 0 | 0 | 0 | 0 | (s) | 2 | 0 | 32 | 0 | 1 | 2 | (s) |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 0 | 0 | 2 | 2 | (s) |
| Egypt | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| El Salvador | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 0 | 0 | (s) | (s) | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 902 | 29 |
| France | 0 | (s) | 0 | 0 | (s) | 274 | 0 | (s) | 1 | 580 | 0 | 46 | (s) | (s) |
| French Pacific Isl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 84 | 3 |
| Guatemala | 0 | 79 | 0 | 0 | 0 | 0 | (s) | 3 | 1 | 0 | 0 | 1 | 9 | (s) |
| Honduras | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 8 | (s) | 0 | 0 | (s) | 1 | (s) |
| Hong Kong | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | (s) | 0 | (s) | (s) |
| India | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 91 | (s) | 0 | (s) | 3 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 0 | (s) | (s) | 93 | 0 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| Israel | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) | 0 | (s) | 0 | 0 | 4 | (s) |
| Italy | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | (s) | 563 | (s) | 114 | 680 | 22 |
| Ivory Coast | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 | (s) |
| Jamaica | 0 | 21 | 0 | 0 | 797 | 482 | 11 | 15 | 0 | 0 | 0 | 1 | 37 | 1 |
| Japan | 0 | 1 | (s) | 0 | 0 | 0 | 0 | 6 | 0 | 1,305 | (s) | 42 | 2,646 | 85 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| Korea, Republic of | 0 | 1 | 0 | 0 | 0 | 275 | (s) | 6 | (s) | 418 | (s) | 6 | 705 | 23 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 2 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | (s) |
| Liberia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | (s) | (s) | 1 | (s) |
| Mexico | 0 | 620 | 4 | 30 | 0 | 0 | 7 | 27 | 9 | 16 | 0 | 4 | 717 | 23 |
| Netherlands | 0 | 2 | 0 | 0 | 0 | 0 | 5 | 8 | (s) | 355 | (s) | 105 | 474 | 15 |
| Netherlands Antilles | 0 | (s) | 0 | 0 | 145 | 200 | 0 | (s) | 0 | 0 | 0 | (s) | 345 | 11 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | (s) | (s) | 0 | (s) | 8 | (s) |
| Nicaragua | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 1 | (s) |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | (s) | 0 | 0 | (s) | 50 | 2 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 44 | (s) | 0 | 45 | 1 |
| Pacific Trust Terr. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Panama | 0 | 12 | 0 | 0 | 0 | 0 | (s) | 4 | 0 | 0 | 0 | (s) | 16 | 1 |
| Peru | 0 | 3 | 0 | 0 | (s) | 0 | (s) | 26 | (s) | 0 | 0 | (s) | 29 | 1 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | 0 | (s) | 1 | (s) |
| Puerto Rico | 464 | 9 | 1 | 0 | 0 | (s) | 1 | 14 | (s) | 0 | 0 | 17 | 508 | 16 |
| Rep. of South Africa | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 13 | 13 | 64 | (s) | 1 | 92 | 3 |
| Saudi Arabia | 0 | 6 | 0 | 0 | 0 | (s) | (s) | 6 | (s) | 0 | 0 | 0 | 13 | (s) |

See footnotes at end of table.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, July 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|--------------------|--------|-----------------------|
| Singapore | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 23 | (s) | (s) | 24 | 1 |
| Spain | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 | (s) | 255 | 0 | (s) | 262 | 8 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 10 | 0 | (s) | 16 | 1 |
| Sweden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 1 | 0 | 1 | 3 | (s) |
| Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | (s) | 1 | (s) |
| Thailand | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 0 | 0 | 1 | 2 | (s) |
| Trinidad and Tobago | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | (s) | 0 | 1 | (s) |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 1 | (s) |
| United Kingdom | 0 | 1 | 0 | 0 | 1 | 294 | 0 | 2 | (s) | 0 | 14 | 1 | 313 | 10 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 57 | 2 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Venezuela | 0 | (s) | 0 | 0 | 0 | 0 | 3 | 2 | (s) | 92 | 0 | 4 | 102 | 3 |
| Virgin Islands | 1,723 | (s) | 0 | 0 | 0 | 350 | 0 | (s) | 0 | 0 | 0 | (s) | 2,073 | 67 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 7 | 12 | 183 | 0 | 11 | 214 | 7 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Other | 721 | 12 | 0 | 0 | 1 | 200 | (s) | 6 | (s) | (s) | 0 | 4 | 944 | 30 |
| Total | 3,341 | 1,326 | 281 | 306 | 1,245 | 3,060 | 43 | 431 | 48 | 5,905 | 48 | 593 | 16,626 | 536 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - July 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri- cants | Waxes | Petro- leum Coke | Asphalt | Other ² | Total | Total (Daily Average) | |
|----------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|--------------|-------|------------------|---------|--------------------|--------|-----------------------|-----|
| Argentina | 0 | (s) | 0 | 431 | 0 | 0 | 4 | 104 | 2 | 1 | 0 | 159 | 701 | 3 | |
| Australia | 0 | 5 | 269 | 0 | 1 | 800 | 26 | 41 | 1 | 984 | 1 | 89 | 2,218 | 10 | |
| Bahamas | 0 | 67 | 6 | (s) | 535 | 859 | 0 | 11 | (s) | 0 | 0 | 2 | 1,480 | 7 | |
| Bahrain | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 1 | 0 | 229 | 0 | 1 | 231 | 1 | |
| Belgium & Luxembourg | 0 | 7 | (s) | 0 | 0 | 0 | 3 | 55 | 1 | 4,762 | (s) | 4 | 4,833 | 23 | |
| Brazil | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 9 | (s) | 260 | 0 | 8 | 285 | 1 | |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 90 | 0 | (s) | 91 | (s) | |
| Canada | 3,056 | 3,298 | 128 | 220 | 1,465 | 1,754 | 85 | 480 | 19 | 3,314 | 56 | 1,035 | 14,912 | 70 | |
| Chile | 0 | (s) | 52 | 17 | 112 | 31 | 2 | 76 | (s) | 1 | 2 | 4 | 297 | 1 | |
| China (Taiwan) | 0 | 1 | 0 | 0 | 635 | 3,550 | 1 | 69 | 1 | 93 | 1 | 8 | 4,358 | 20 | |
| Colombia | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 32 | 61 | 1 | 0 | 7 | 108 | 1 | |
| Costa Rica | 0 | 49 | (s) | 0 | 0 | 0 | 15 | 31 | (s) | 22 | 10 | 7 | 133 | 1 | |
| Denmark | 0 | 1 | 0 | 0 | (s) | 0 | 0 | 2 | 1 | 513 | 0 | 1 | 517 | 2 | |
| Dominican Republic | 0 | 259 | 0 | 0 | 0 | 0 | (s) | 7 | 1 | 64 | 0 | 3 | 334 | 2 | |
| Ecuador | 0 | 351 | 25 | 0 | 332 | (s) | 3 | 5 | 1 | 0 | 1 | 6 | 725 | 3 | |
| Egypt | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 12 | (s) | 0 | 0 | 1 | 15 | (s) | |
| El Salvador | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 29 | (s) | 0 | 0 | 3 | 34 | (s) | |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | (s) | 0 | 0 | 2 | 5 | (s) | |
| France | 0 | 38 | 1 | 0 | 1 | 678 | (s) | 9 | 10 | 3,916 | 0 | 790 | 5,443 | 26 | |
| French Pacific Isl | 0 | 0 | 0 | 0 | 0 | 350 | 0 | 2 | 0 | 0 | (s) | 0 | 351 | 2 | |
| Ghana | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) | |
| Greece | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 22 | (s) | 153 | 0 | 1 | 159 | 1 | |
| Guatemala | 0 | 358 | 0 | 0 | 0 | 358 | (s) | 5 | 3 | 0 | (s) | 4 | 391 | 2 | |
| Guinea | 0 | (s) | 0 | 0 | (s) | 0 | 4 | 37 | (s) | 0 | (s) | 2 | 47 | (s) | |
| Honduras | 0 | 2 | (s) | 0 | 0 | 1,394 | 2 | 9 | 1 | 38 | (s) | 27 | 83 | (s) | |
| Hong Kong | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 17 | (s) | 266 | (s) | 8 | 296 | 1 | |
| India | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 22 | (s) | 0 | 0 | 0 | 1 | (s) | |
| Indonesia | 0 | 1 | 0 | 0 | (s) | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | (s) | |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | (s) | (s) | 0 | 8 | 12 | (s) | |
| Israel | 0 | 156 | 0 | 0 | 0 | 2,948 | 5 | 5 | 4 | 5,494 | (s) | 927 | 9,540 | 45 | |
| Italy | 0 | 0 | 0 | 0 | (s) | 156 | 0 | 26 | 0 | 0 | (s) | (s) | 357 | 2 | |
| Ivory Coast | 0 | 0 | 0 | 0 | 174 | 0 | 0 | 72 | (s) | 0 | (s) | 7 | 610 | 3 | |
| Jamaica | 0 | 175 | 25 | 0 | 0 | 330 | (s) | 171 | 16 | 8,973 | (s) | 282 | 17,605 | 83 | |
| Japan | 0 | 7 | (s) | 0 | 2,335 | 5,512 | 307 | 5 | 0 | (s) | 0 | (s) | 6 | (s) | |
| Jordan | 0 | (s) | 0 | 0 | 0 | 1,339 | 1 | 30 | 3 | 768 | (s) | 225 | 3,037 | 14 | |
| Korea, Republic of | 0 | 4 | 0 | 0 | 668 | 0 | (s) | 12 | 0 | (s) | 0 | 1 | 16 | (s) | |
| Kuwait | 0 | 3 | (s) | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | (s) | 4 | (s) | |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 251 | 0 | 2 | (s) | 0 | 0 | (s) | 253 | 1 | |
| Liberia | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | (s) | 0 | (s) | 1 | 6 | (s) | |
| Malaysia | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 4 | 0 | 0 | 0 | 49 | 5,069 | 24 | |
| Mexico | 0 | 3,945 | 26 | 248 | (s) | 577 | 19 | 488 | 53 | 239 | 1 | 579 | 6,015 | 28 | |
| Netherlands | 0 | 142 | 0 | 0 | 0 | 2,012 | 46 | 49 | 3 | 4,620 | (s) | (s) | 3,073 | 14 | |
| Netherlands Antilles | 0 | 3 | 51 | 128 | 877 | 0 | (s) | 2 | 0 | 0 | 0 | 6 | 1,039 | 5 | |
| New Zealand | 0 | 0 | 443 | 0 | 301 | 0 | 3 | 9 | (s) | 276 | (s) | 3 | 30 | (s) | |
| Nicaragua | 0 | (s) | 0 | 0 | 0 | 0 | 3 | 23 | 0 | 0 | 0 | 0 | 1 | 103 | (s) |
| Nigeria | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 101 | (s) | 759 | (s) | 1 | 762 | 4 | |
| Norway | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 2 | (s) | 0 | 0 | (s) | 1 | (s) | |
| Pacific Trust Terr. | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 28 | (s) | 2 | 2,476 | 12 | |
| Panama | 0 | 88 | 113 | 0 | 1,154 | 1,047 | 3 | 40 | (s) | 0 | 0 | 2 | 673 | 3 | |
| Peru | 0 | 3 | 0 | 0 | 576 | 0 | (s) | 92 | (s) | 1 | 0 | 0 | 55 | 71 | (s) |
| Philippines | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 0 | 1 | 143 | 27 | |
| Puerto Rico | 5,267 | 69 | 1 | (s) | (s) | 189 | 4 | 116 | 10 | (s) | 1 | 288 | 5,800 | 3 | |
| Rep. of South Africa | 0 | 2 | 0 | 0 | (s) | 0 | (s) | 67 | 51 | 205 | 1 | 0 | 614 | | |

See footnotes at end of table.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - July 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|--------------------|---------|-----------------------|
| Saudi Arabia | 0 | 55 | 0 | 0 | 0 | (s) | 1 | 134 | (s) | 0 | 0 | 23 | 213 | 1 |
| Singapore | 0 | 12 | 0 | 0 | 100 | 1,565 | 14 | 63 | (s) | 23 | (s) | 10 | 1,786 | 8 |
| Spain | 0 | 4 | 0 | 0 | 349 | 1,308 | 0 | 379 | 1 | 4,290 | 0 | 253 | 6,584 | 31 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 45 | 0 | 1 | 57 | (s) |
| Sweden | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 10 | (s) | 315 | (s) | 5 | 332 | 2 |
| Switzerland | 0 | 2 | 0 | 0 | 0 | 0 | (s) | 4 | 1 | 0 | 0 | 3 | 10 | (s) |
| Thailand | 0 | (s) | 30 | 0 | 0 | 0 | 1 | 36 | (s) | (s) | 0 | 63 | 131 | 1 |
| Trinidad and Tobago | 0 | 41 | 0 | 206 | (s) | 0 | 5 | 9 | (s) | 0 | (s) | 1 | 262 | 1 |
| Turkey | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 1 | (s) | 302 | 0 | 174 | 478 | 2 |
| United Arab Emirates | 0 | 1 | 0 | 0 | 0 | 0 | (s) | 56 | 0 | 181 | 0 | 22 | 261 | 1 |
| United Kingdom | 0 | 43 | (s) | 0 | 8 | 1,381 | 1 | 33 | 2 | 67 | 15 | 17 | 1,566 | 7 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 224 | 0 | 237 | 0 | 0 | 461 | 2 |
| Uruguay | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 5 | (s) | 0 | (s) | 1 | 6 | (s) |
| Venezuela | (s) | 524 | 0 | 0 | 0 | 0 | 6 | 11 | 3 | 559 | (s) | 12 | 1,116 | 5 |
| Virgin Islands | 25,534 | 14 | 0 | 0 | 0 | 3,214 | 0 | (s) | 0 | 0 | 0 | (s) | 28,763 | 135 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 71 | 24 | 661 | (s) | 94 | 851 | 4 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 341 | 0 | (s) | 341 | 2 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 39,333 | 9,849 | 1,171 | 1,249 | 9,778 | 31,973 | 589 | 3,523 | 278 | 43,266 | 98 | 5,597 | 146,706 | 689 |

1 Exports of crude oil are prohibited by law. However, some crude oil is exchanged with

Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories

(especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical

Tracking Systems count these exchanges and shipments as imports and exports.

2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels)

| Commodity | PAD District I | | PAD District II | | | | | | PAD District III | | | | | PAD District IV | | United States | |
|--|----------------|----------------|-----------------|----------------|-----------------|--------------------|-------------------|---------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|----------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | Dist. IV |
| | | | | | | | | | | | | | | | | | |
| Crude Oil (incl. lease condensate) | | | | | | | | | | | | | | | | | |
| Refinery | -- | -- | 14,264 | -- | -- | -- | -- | 15,243 | -- | -- | -- | -- | -- | 51,039 | 2,380 | 26,299 | 109,225 |
| Tank Farms and Pipelines | -- | -- | 1,443 | -- | -- | -- | -- | 61,863 | -- | -- | -- | -- | -- | 95,417 | 9,393 | 28,181 | 196,297 |
| Leases | -- | -- | 62 | -- | -- | -- | -- | 1,565 | -- | -- | -- | -- | -- | 16,797 | 1,298 | 1,616 | 21,338 |
| Strategic Petroleum Reserve ¹ | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 423,904 | 0 | 0 | 423,904 |
| Alaskan In-Transit | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 21,366 | 21,366 |
| Total | -- | -- | 15,769 | -- | -- | -- | -- | 78,671 | -- | -- | -- | -- | -- | 587,157 | 13,071 | 77,462 | 772,130 |
| Total Stocks, All Oils (excl. Crude Oil) | | | | | | | | | | | | | | | | | |
| Refinery | 37,857 | 2,965 | 40,822 | 942 | 39,567 | 6,782 | 14,699 | 61,990 | 9,398 | 72,858 | 43,776 | 5,167 | 1,716 | 132,915 | 12,831 | 62,765 | 311,323 |
| Bulk Terminal | -- | -- | 115,660 | -- | -- | -- | -- | 83,674 | -- | -- | -- | -- | -- | 85,795 | 3,289 | 24,277 | 312,695 |
| Pipeline | -- | -- | 26,833 | -- | -- | -- | -- | 33,899 | -- | -- | -- | -- | -- | 38,876 | 2,730 | 4,734 | 107,072 |
| Natural Gas Processing Plant | 231 | 35 | 266 | 0 | 639 | 76 | 2,079 | 2,794 | 1,600 | 4,518 | 468 | 84 | 211 | 6,881 | 241 | 167 | 10,349 |
| Total | -- | -- | 183,581 | -- | -- | -- | -- | 182,357 | -- | -- | -- | -- | -- | 264,467 | 19,091 | 91,943 | 741,439 |
| Pentanes Plus | | | | | | | | | | | | | | | | | |
| Refinery | 13 | 0 | 13 | 0 | 34 | 30 | 121 | 185 | 108 | 221 | 110 | 17 | 14 | 470 | 21 | 17 | 706 |
| Bulk Terminal | -- | -- | 20 | -- | -- | -- | -- | 2,323 | -- | -- | -- | -- | -- | 3,869 | 0 | 7 | 6,219 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 566 | -- | -- | -- | -- | -- | 1,404 | 149 | 5 | 2,124 |
| Natural Gas Processing Plant | 4 | 4 | 8 | 0 | 54 | 23 | 352 | 429 | 431 | 683 | 197 | 41 | 26 | 1,378 | 85 | 20 | 1,920 |
| Total | -- | -- | 41 | -- | -- | -- | -- | 3,503 | -- | -- | -- | -- | -- | 7,121 | 255 | 49 | 10,969 |
| Liquefied Petroleum Gases | | | | | | | | | | | | | | | | | |
| Refinery | 810 | 10 | 820 | 216 | 2,086 | 208 | 538 | 3,048 | 187 | 1,016 | 1,660 | 41 | 27 | 2,931 | 366 | 762 | 7,927 |
| Bulk Terminal | -- | -- | 1,517 | -- | -- | -- | -- | 20,809 | -- | -- | -- | -- | -- | 56,997 | 98 | 1,321 | 80,742 |
| Pipeline | -- | -- | 1,478 | -- | -- | -- | -- | 5,943 | -- | -- | -- | -- | -- | 5,722 | 422 | 0 | 13,565 |
| Natural Gas Processing Plant | 227 | 31 | 258 | 0 | 582 | 53 | 1,727 | 2,362 | 1,020 | 3,833 | 271 | 41 | 185 | 5,350 | 150 | 147 | 8,267 |
| Total | -- | -- | 4,073 | -- | -- | -- | -- | 32,162 | -- | -- | -- | -- | -- | 71,000 | 1,036 | 2,230 | 110,501 |
| Ethane | | | | | | | | | | | | | | | | | |
| Refinery | 26 | 0 | 26 | 0 | 4 | 5 | 0 | 9 | 0 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 40 |
| Bulk Terminal | -- | -- | 0 | -- | -- | -- | -- | 2,190 | -- | -- | -- | -- | -- | 13,001 | 0 | 0 | 15,191 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1,665 | -- | -- | -- | -- | -- | 1,914 | 129 | 0 | 3,708 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 27 | 0 | 454 | 481 | 107 | 1,127 | 0 | 2 | 14 | 1,250 | 1 | 0 | 1,732 |
| Total | -- | -- | 26 | -- | -- | -- | -- | 4,345 | -- | -- | -- | -- | -- | 16,170 | 130 | 0 | 20,671 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|---------------|-----------|---------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. V |
| | | | | | | | | | | | | | | | | | |
| Propane for Petrochemical Feedstock Use | | | | | | | | | | | | | | | | | |
| Refinery | 71 | 0 | 71 | 0 | 111 | 0 | 1 | 112 | 2 | 7 | 85 | 0 | 0 | 94 | 0 | 0 | 277 |
| Total | -- | -- | 71 | -- | -- | -- | -- | 112 | -- | -- | -- | -- | -- | 94 | 0 | 0 | 277 |
| Propane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 655 | 6 | 661 | 2 | 1,348 | 30 | 158 | 1,538 | 55 | 45 | 1,117 | 4 | 3 | 1,224 | 161 | 307 | 3,891 |
| Bulk Terminal | -- | -- | 1,163 | -- | -- | -- | -- | 15,105 | -- | -- | -- | -- | -- | 26,919 | 97 | 400 | 43,684 |
| Pipeline | -- | -- | 1,344 | -- | -- | -- | -- | 3,106 | -- | -- | -- | -- | -- | 2,608 | 169 | 0 | 7,227 |
| Natural Gas Processing Plant | 183 | 31 | 214 | 0 | 432 | 27 | 797 | 1,256 | 530 | 1,482 | 145 | 22 | 107 | 2,286 | 105 | 127 | 3,988 |
| Total | -- | -- | 3,382 | -- | -- | -- | -- | 21,005 | -- | -- | -- | -- | -- | 33,037 | 532 | 834 | 58,790 |
| Normal Butane For Petro. Feed Use | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 45 | 0 | 11 | 0 | 1 | 0 | 12 | 4 | 1 | 62 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 45 | -- | -- | -- | -- | -- | 12 | 4 | 1 | 62 |
| Normal Butane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 50 | 4 | 54 | 167 | 397 | 88 | 229 | 881 | 109 | 819 | 200 | 25 | 18 | 1,171 | 145 | 408 | 2,659 |
| Bulk Terminal | -- | -- | 335 | -- | -- | -- | -- | 2,423 | -- | -- | -- | -- | -- | 11,400 | 1 | 715 | 14,874 |
| Pipeline | -- | -- | 116 | -- | -- | -- | -- | 794 | -- | -- | -- | -- | -- | 750 | 81 | 0 | 1,741 |
| Natural Gas Processing Plant | 30 | 0 | 30 | 0 | 100 | 21 | 384 | 505 | 325 | 823 | 80 | 14 | 51 | 1,293 | 37 | 13 | 1,878 |
| Total | -- | -- | 535 | -- | -- | -- | -- | 4,603 | -- | -- | -- | -- | -- | 14,614 | 264 | 1,136 | 21,152 |
| Isobutane | | | | | | | | | | | | | | | | | |
| Refinery | 8 | 0 | 8 | 47 | 226 | 40 | 150 | 463 | 21 | 129 | 258 | 11 | 6 | 425 | 56 | 46 | 998 |
| Bulk Terminal | -- | -- | 19 | -- | -- | -- | -- | 1,091 | -- | -- | -- | -- | -- | 5,677 | 0 | 206 | 6,993 |
| Pipeline | -- | -- | 18 | -- | -- | -- | -- | 378 | -- | -- | -- | -- | -- | 450 | 43 | 0 | 889 |
| Natural Gas Processing Plant | 14 | 0 | 14 | 0 | 23 | 5 | 92 | 120 | 58 | 401 | 46 | 3 | 13 | 521 | 7 | 7 | 669 |
| Total | -- | -- | 59 | -- | -- | -- | -- | 2,052 | -- | -- | -- | -- | -- | 7,073 | 106 | 259 | 9,549 |
| Other Hydrocarbons and Alcohol | | | | | | | | | | | | | | | | | |
| Refinery | 122 | 0 | 122 | 0 | 137 | 0 | 1 | 138 | 1 | 88 | 4 | 0 | 0 | 93 | 0 | 5 | 358 |
| Total | -- | -- | 122 | -- | -- | -- | -- | 138 | -- | -- | -- | -- | -- | 93 | 0 | 5 | 358 |
| Unfinished Oils | | | | | | | | | | | | | | | | | |
| Refinery | 3,479 | 201 | 3,680 | 48 | 2,695 | 109 | 1,099 | 3,951 | 745 | 8,076 | 4,847 | 250 | 45 | 13,963 | 505 | 4,749 | 26,848 |
| Naphtha and Lighter | 1,892 | 76 | 1,968 | 0 | 1,661 | 3 | 437 | 2,101 | 543 | 6,358 | 1,667 | 71 | 5 | 8,649 | 457 | 4,649 | 17,824 |
| Kerosene and Lighter Gas Oils | 4,969 | 234 | 5,203 | 120 | 3,941 | 634 | 1,810 | 6,505 | 629 | 10,318 | 5,619 | 101 | 179 | 16,846 | 835 | 9,821 | 39,210 |
| Heavy Gas Oils | 1,821 | 221 | 2,042 | 2 | 2,815 | 22 | 1,363 | 4,202 | 475 | 5,344 | 3,961 | 53 | 12 | 9,845 | 761 | 5,250 | 22,100 |
| Residuum | 12,161 | 732 | 12,893 | 170 | 11,112 | 768 | 4,709 | 16,759 | 2,397 | 30,096 | 16,094 | 475 | 241 | 49,303 | 2,558 | 24,469 | 105,982 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | PAD District IV | | United States | | | |
|---------------------------------------|----------------|----------------|--------|-----------------|-----------|--------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|----------|-------------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | Dist. IV | PAD Dist. V | West Coast |
| | | | | | | | | | | | | | | | | | | | |
| Motor Gasoline Blending Components | | | | | | | | | | | | | | | | | | | |
| Refinery | 5,703 | 95 | 5,798 | 36 | 5,215 | 650 | 1,267 | 7,168 | 1,135 | 8,172 | 5,957 | 128 | 314 | 15,706 | 1,874 | 7,201 | 37,747 | | |
| Bulk Terminal | -- | -- | 75 | -- | -- | -- | -- | 146 | -- | -- | -- | -- | -- | 336 | 1 | 66 | 624 | | |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1 | -- | -- | -- | -- | -- | 0 | 0 | 0 | 1 | | |
| Total | -- | -- | 5,873 | -- | -- | -- | -- | 7,315 | -- | -- | -- | -- | -- | 16,042 | 1,875 | 7,267 | 38,372 | | |
| Aviation Gasoline Blending Components | | | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 55 | 0 | 31 | 86 | 0 | 15 | 162 | 0 | 0 | 177 | 0 | 27 | 290 | | |
| Total | -- | -- | 0 | -- | -- | -- | -- | 86 | -- | -- | -- | -- | -- | 177 | 0 | 27 | 290 | | |
| Total Finished Motor Gasoline | | | | | | | | | | | | | | | | | | | |
| Refinery | 5,299 | 312 | 5,611 | 137 | 6,179 | 1,001 | 2,549 | 9,866 | 2,302 | 8,625 | 5,289 | 1,551 | 226 | 17,993 | 2,445 | 8,073 | 43,988 | | |
| Bulk Terminal | -- | -- | 44,915 | -- | -- | -- | -- | 31,225 | -- | -- | -- | -- | -- | 12,576 | 1,841 | 11,209 | 101,766 | | |
| Pipeline | -- | -- | 15,799 | -- | -- | -- | -- | 16,246 | -- | -- | -- | -- | -- | 18,553 | 1,335 | 2,445 | 54,378 | | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | | |
| Total | -- | -- | 66,325 | -- | -- | -- | -- | 57,337 | -- | -- | -- | -- | -- | 49,122 | 5,627 | 21,727 | 200,138 | | |
| Finished Leaded Motor Gasoline | | | | | | | | | | | | | | | | | | | |
| Refinery | 1,941 | 191 | 2,132 | 72 | 2,691 | 433 | 1,473 | 4,669 | 1,270 | 3,557 | 1,880 | 314 | 121 | 7,142 | 1,621 | 3,675 | 19,239 | | |
| Bulk Terminal | -- | -- | 20,593 | -- | -- | -- | -- | 15,769 | -- | -- | -- | -- | -- | 6,918 | 1,152 | 5,303 | 49,735 | | |
| Pipeline | -- | -- | 6,152 | -- | -- | -- | -- | 8,014 | -- | -- | -- | -- | -- | 7,921 | 761 | 1,103 | 23,951 | | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | | |
| Total | -- | -- | 28,877 | -- | -- | -- | -- | 28,452 | -- | -- | -- | -- | -- | 21,981 | 3,539 | 10,081 | 92,930 | | |
| Finished Unleaded Motor Gasoline | | | | | | | | | | | | | | | | | | | |
| Refinery | 3,358 | 121 | 3,479 | 65 | 3,488 | 568 | 1,076 | 5,197 | 1,032 | 5,068 | 3,409 | 1,237 | 105 | 10,851 | 824 | 4,398 | 24,749 | | |
| Bulk Terminal | -- | -- | 24,322 | -- | -- | -- | -- | 15,456 | -- | -- | -- | -- | -- | 5,658 | 689 | 5,906 | 52,031 | | |
| Pipeline | -- | -- | 9,647 | -- | -- | -- | -- | 8,232 | -- | -- | -- | -- | -- | 10,632 | 574 | 1,342 | 30,427 | | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | | |
| Total | -- | -- | 37,448 | -- | -- | -- | -- | 28,885 | -- | -- | -- | -- | -- | 27,141 | 2,088 | 11,646 | 107,208 | | |
| Finished Aviation Gasoline | | | | | | | | | | | | | | | | | | | |
| Refinery | 39 | 0 | 39 | 0 | 88 | 0 | 12 | 100 | 90 | 339 | 155 | 0 | 0 | 584 | 37 | 221 | 981 | | |
| Bulk Terminal | -- | -- | 423 | -- | -- | -- | -- | 362 | -- | -- | -- | -- | -- | 101 | 15 | 333 | 1,234 | | |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 167 | -- | -- | -- | -- | -- | 7 | 0 | 42 | 216 | | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 80 | | |
| Total | -- | -- | 462 | -- | -- | -- | -- | 629 | -- | -- | -- | -- | -- | 772 | 52 | 596 | 2,511 | | |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|---------------|-----------|----------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. IV |
| | | | | | | | | | | | | | | | | | |
| Naphtha-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 275 | 36 | 311 | 0 | 477 | 96 | 174 | 747 | 304 | 852 | 364 | 153 | 219 | 1,892 | 251 | 766 | 3,967 |
| Bulk Terminal | -- | -- | 349 | -- | -- | -- | -- | 642 | -- | -- | -- | -- | -- | 172 | 10 | 515 | 1,688 |
| Pipeline | -- | -- | 178 | -- | -- | -- | -- | 138 | -- | -- | -- | -- | -- | 467 | 86 | 334 | 1,203 |
| Total | -- | -- | 838 | -- | -- | -- | -- | 1,527 | -- | -- | -- | -- | -- | 2,531 | 347 | 1,615 | 6,858 |
| Kerosene-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 1,169 | 0 | 1,169 | 29 | 1,455 | 173 | 239 | 1,896 | 298 | 3,548 | 2,701 | 3 | 65 | 6,615 | 423 | 3,560 | 13,663 |
| Bulk Terminal | -- | -- | 4,247 | -- | -- | -- | -- | 4,503 | -- | -- | -- | -- | -- | 1,959 | 289 | 1,707 | 12,705 |
| Pipeline | -- | -- | 3,313 | -- | -- | -- | -- | 2,420 | -- | -- | -- | -- | -- | 3,941 | 174 | 487 | 10,335 |
| Total | -- | -- | 8,729 | -- | -- | -- | -- | 8,819 | -- | -- | -- | -- | -- | 12,515 | 886 | 5,754 | 36,703 |
| Kerosene | | | | | | | | | | | | | | | | | |
| Refinery | 380 | 99 | 479 | 0 | 379 | 45 | 263 | 687 | 95 | 552 | 681 | 82 | 120 | 1,530 | 0 | 214 | 2,910 |
| Bulk Terminal | -- | -- | 2,947 | -- | -- | -- | -- | 737 | -- | -- | -- | -- | -- | 612 | 37 | 39 | 4,372 |
| Pipeline | -- | -- | 31 | -- | -- | -- | -- | 236 | -- | -- | -- | -- | -- | 476 | 0 | 0 | 743 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| Total | -- | -- | 3,457 | -- | -- | -- | -- | 1,660 | -- | -- | -- | -- | -- | 2,621 | 37 | 253 | 8,028 |
| Distillate Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 5,075 | 345 | 5,420 | 24 | 6,391 | 1,579 | 3,079 | 11,073 | 1,025 | 8,370 | 4,423 | 704 | 270 | 14,792 | 2,299 | 5,222 | 38,806 |
| Bulk Terminal | -- | -- | 33,817 | -- | -- | -- | -- | 16,958 | -- | -- | -- | -- | -- | 5,358 | 771 | 5,036 | 61,940 |
| Pipeline | -- | -- | 6,029 | -- | -- | -- | -- | 8,127 | -- | -- | -- | -- | -- | 8,022 | 564 | 1,017 | 23,759 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Total | -- | -- | 45,266 | -- | -- | -- | -- | 36,158 | -- | -- | -- | -- | -- | 28,174 | 3,634 | 11,275 | 124,507 |
| Residual Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 2,536 | 91 | 2,627 | 19 | 1,526 | 262 | 199 | 2,006 | 360 | 3,895 | 2,459 | 136 | 18 | 6,868 | 563 | 7,636 | 19,700 |
| Bulk Terminal | -- | -- | 22,061 | -- | -- | -- | -- | 1,519 | -- | -- | -- | -- | -- | 2,940 | 0 | 2,822 | 29,342 |
| Pipeline | -- | -- | 5 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 158 | 163 |
| Total | -- | -- | 24,693 | -- | -- | -- | -- | 3,525 | -- | -- | -- | -- | -- | 9,808 | 563 | 10,616 | 49,205 |
| Naphtha < 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 257 | 0 | 257 | 0 | 106 | 0 | 52 | 158 | 62 | 774 | 471 | 42 | 0 | 1,349 | 0 | 77 | 1,841 |
| Total | 257 | 0 | 257 | 0 | 106 | 0 | 52 | 158 | 62 | 774 | 471 | 42 | 0 | 1,349 | 0 | 77 | 1,841 |
| Other Oils > 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 5 | 0 | 5 | 0 | 28 | 0 | 0 | 28 | 211 | 998 | 207 | 0 | 0 | 1,416 | 2 | 152 | 1,603 |
| Total | 5 | 0 | 5 | 0 | 28 | 0 | 0 | 28 | 211 | 998 | 207 | 0 | 0 | 1,416 | 2 | 152 | 1,603 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, July 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | | PAD District IV | | United States |
|-------------------------------------|----------------|----------------|---------|-----------------|-----------------|---------------------|-------------------|---------|--------------|------------------|----------------|---------------|------------|---------|-----------------|------------------------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | PAD Dist. V West Coast | |
| | | | | | | | | | | | | | | | | | |
| Special Naphthas | | | | | | | | | | | | | | | | | |
| Refinery | 89 | 30 | 119 | 0 | 185 | 0 | 151 | 336 | 38 | 1,079 | 86 | 138 | 0 | 1,341 | 10 | 234 | 2,040 |
| Bulk Terminal | -- | -- | 615 | -- | -- | -- | -- | 111 | -- | -- | -- | -- | -- | 27 | 0 | 36 | 789 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 60 |
| Total | -- | -- | 734 | -- | -- | -- | -- | 447 | -- | -- | -- | -- | -- | 1,428 | 10 | 270 | 2,889 |
| Lubricants | | | | | | | | | | | | | | | | | |
| Refinery | 1,077 | 976 | 2,053 | 0 | 794 | 0 | 450 | 1,244 | 33 | 2,849 | 1,431 | 624 | 0 | 4,937 | 66 | 476 | 8,776 |
| Bulk Terminal | -- | -- | 1,167 | -- | -- | -- | -- | 769 | -- | -- | -- | -- | -- | 271 | 2 | 755 | 2,964 |
| Total | -- | -- | 3,220 | -- | -- | -- | -- | 2,013 | -- | -- | -- | -- | -- | 5,208 | 68 | 1,231 | 11,740 |
| Waxes | | | | | | | | | | | | | | | | | |
| Refinery | 4 | 83 | 87 | 0 | 33 | 0 | 27 | 60 | 13 | 188 | 132 | 51 | 0 | 384 | 0 | 43 | 574 |
| Total | -- | -- | 87 | -- | -- | -- | -- | 60 | -- | -- | -- | -- | -- | 384 | 0 | 43 | 574 |
| Petroleum Coke | | | | | | | | | | | | | | | | | |
| Refinery | 665 | 0 | 665 | 0 | 307 | 463 | 115 | 885 | 0 | 402 | 919 | 205 | 0 | 1,526 | 184 | 1,643 | 4,903 |
| Bulk Terminal | 665 | 0 | 665 | 0 | 307 | 463 | 115 | 885 | 0 | 402 | 919 | 205 | 0 | 1,526 | 184 | 1,643 | 4,903 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Asphalt and Road Oil | | | | | | | | | | | | | | | | | |
| Refinery | 1,945 | 130 | 2,075 | 311 | 2,846 | 1,503 | 703 | 5,363 | 699 | 408 | 438 | 732 | 202 | 2,479 | 1,721 | 1,865 | 13,503 |
| Bulk Terminal | -- | -- | 3,358 | -- | -- | -- | -- | 3,543 | -- | -- | -- | -- | -- | 514 | 223 | 260 | 7,898 |
| Total | -- | -- | 5,433 | -- | -- | -- | -- | 8,906 | -- | -- | -- | -- | -- | 2,993 | 1,944 | 2,125 | 21,401 |
| Miscellaneous Products | | | | | | | | | | | | | | | | | |
| Refinery | 233 | 26 | 259 | 0 | 134 | 4 | 19 | 157 | 40 | 371 | 33 | 85 | 0 | 529 | 11 | 102 | 1,058 |
| Bulk Terminal | -- | -- | 149 | -- | -- | -- | -- | 27 | -- | -- | -- | -- | -- | 63 | 2 | 171 | 412 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 55 | -- | -- | -- | -- | -- | 284 | 0 | 246 | 585 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 6 | 0 | 0 | 2 | 0 | 8 | 0 | 0 | 11 |
| Total | -- | -- | 408 | -- | -- | -- | -- | 242 | -- | -- | -- | -- | -- | 884 | 13 | 519 | 2,066 |
| Total Stocks, All Oils | -- | -- | 199,350 | -- | -- | -- | -- | 261,028 | -- | -- | -- | -- | -- | 851,624 | 32,162 | 169,405 | 1,513,569 |

1 Includes 33,879 thousand barrels of domestic crude oil.
Source: See Explanatory Notes on Data Collection and Estimation.
-- Not Applicable.

Table 25. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, July 1984
(Thousand Barrels)

| State | Leaded Motor Gasoline | Unleaded Motor Gasoline | Kerosene | Distillate Fuel Oil | Residual Fuel Oil |
|-------------------------------------|-----------------------------|-------------------------------|--------------|---------------------------|-------------------------|
| PAD District I Total | 22,725 | 27,801 | 3,426 | 39,237 | 24,688 |
| Connecticut | 623 | 731 | 66 | 1,699 | 325 |
| Delaware, D.C., Maryland | 921 | 2,045 | 173 | 3,023 | 2,433 |
| Florida | 2,829 | 3,676 | 223 | 1,798 | 1,376 |
| Georgia | 1,399 | 1,587 | 84 | 1,369 | 254 |
| Maine | 370 | 491 | 72 | 1,095 | 563 |
| Massachusetts | 1,229 | 1,200 | 62 | 2,767 | 1,902 |
| New Hampshire, Vermont | 40 | 36 | w | 413 | 156 |
| New Jersey | 3,291 | 5,547 | 548 | 10,059 | 10,219 |
| New York | 4,122 | 3,228 | 336 | 5,371 | 3,128 |
| North Carolina | 1,525 | 1,615 | 584 | 1,468 | 685 |
| Pennsylvania | 2,953 | 4,156 | 705 | 5,117 | 1,940 |
| Rhode Island | 367 | 352 | w | 1,165 | 96 |
| South Carolina | 948 | 1,001 | 196 | 1,229 | 535 |
| Virginia | 1,821 | 1,899 | 334 | 2,408 | 1,024 |
| West Virginia | 287 | 237 | 9 | 256 | 52 |
| PAD District II Total | 20,438 | 20,653 | 1,424 | 28,031 | 3,525 |
| Illinois | 3,771 | 4,388 | 199 | 5,676 | 865 |
| Indiana | 2,824 | 2,617 | 126 | 3,932 | 450 |
| Iowa | 933 | 674 | w | 1,399 | w |
| Kansas | 1,372 | 1,296 | 16 | 1,814 | 81 |
| Kentucky | 984 | 1,224 | 115 | 1,500 | 213 |
| Michigan | 2,082 | 2,288 | 140 | 2,480 | 418 |
| Minnesota | 807 | 800 | w | 1,575 | 268 |
| Missouri | 962 | 659 | w | 684 | w |
| Nebraska | 328 | 118 | 0 | 189 | 0 |
| North & South Dakota | 275 | 318 | 0 | 1,053 | w |
| Ohio | 2,472 | 3,153 | 394 | 2,935 | 399 |
| Oklahoma | 1,117 | 838 | 249 | 2,037 | 162 |
| Tennessee | 1,370 | 1,276 | 102 | 1,100 | 211 |
| Wisconsin | 1,141 | 1,004 | w | 1,657 | 148 |
| PAD District III Total | 14,060 | 16,509 | 2,142 | 20,150 | 9,808 |
| Alabama | 848 | 818 | 99 | 951 | 459 |
| Arkansas | 121 | 235 | w | 232 | 48 |
| Louisiana | 2,003 | 3,370 | 691 | 4,477 | 3,648 |
| Mississippi | 913 | 2,208 | 24 | 1,308 | 504 |
| New Mexico | 259 | 210 | w | 338 | 18 |
| Texas | 9,916 | 9,668 | 1,204 | 12,844 | 5,131 |
| PAD District IV Total | 2,773 | 1,513 | 37 | 3,070 | 563 |
| Colorado | 722 | 447 | 0 | 448 | 125 |
| Idaho | 298 | 137 | 0 | 240 | 0 |
| Montana | 644 | 296 | w | 958 | 95 |
| Utah | 326 | 187 | 0 | 612 | 213 |
| Wyoming | 783 | 446 | w | 812 | 130 |
| PAD District V Total | 8,978 | 10,304 | 253 | 10,258 | 10,458 |
| Alaska | 426 | 256 | w | 995 | w |
| Arizona | 379 | 355 | w | 256 | 0 |
| California | 5,172 | 6,960 | 158 | 5,050 | 8,039 |
| Hawaii | 278 | 201 | 0 | 220 | w |
| Nevada | 133 | 185 | w | 156 | w |
| Oregon | 776 | 696 | w | 920 | 394 |
| Washington | 1,814 | 1,651 | w | 2,661 | 1,346 |
| United States Total | 68,974 | 76,780 | 7,282 | 100,746 | 49,042 |

w = withheld to avoid disclosure of individual company data.

| Commodity | From I to | | | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | |
|---|-----------|-----|---|-------|-------|------------|---|--------|--------|-------|-------------|-------|-----|-------|-------|------------|--------|-------|--------|--------|-----------|--|--|--|
| | II | III | V | I | III | IV | V | I | II | IV | I | II | III | V | II | III | V | I | II | III | IV | | | |
| Crude Oil (Tanker and Barge only) | 0 | 359 | 0 | 0 | 0 | 0 | 0 | 0 | 211 | 1,709 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,769 | 0 | 16,733 | 0 | | | |
| Petroleum Products | 9,560 | 239 | 0 | 3,236 | 8,950 | 2,091 | 0 | 72,875 | 31,743 | 0 | 1,630 | 1,804 | 896 | 1,019 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | | | |
| Pentanes Plus | 0 | 0 | 0 | 0 | 643 | 0 | 0 | 0 | 1,410 | 0 | 0 | 94 | 154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 796 | 5,254 | 39 | 0 | 1,137 | 6,810 | 0 | 0 | 681 | 742 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 403 | 413 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Finished Motor Gasoline | 6,553 | 0 | 0 | 1,672 | 1,807 | 1,216 | 0 | 47,200 | 13,225 | 0 | 784 | 549 | 0 | 730 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Finished Leaded Motor Gasoline | 3,285 | 0 | 0 | 549 | 935 | 640 | 0 | 16,324 | 6,409 | 0 | 386 | 334 | 0 | 324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Finished Unleaded Motor Gasoline | 3,268 | 0 | 0 | 1,123 | 872 | 576 | 0 | 30,876 | 6,816 | 0 | 398 | 215 | 0 | 406 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Finished Aviation Gasoline | 10 | 0 | 0 | 0 | 0 | 14 | 0 | 151 | 228 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Naphtha-Type Jet Fuel | 138 | 41 | 0 | 0 | 170 | 0 | 0 | 343 | 34 | 0 | 188 | 72 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Kerosene-Type Jet Fuel | 176 | 0 | 0 | 112 | 50 | 596 | 0 | 7,760 | 3,427 | 0 | 206 | 9 | 0 | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Kerosene | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Distillate Fuel Oil | 2,577 | 0 | 0 | 265 | 599 | 226 | 0 | 13,833 | 5,126 | 0 | 356 | 399 | 0 | 165 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Residual Fuel Oil | 0 | 0 | 0 | 89 | 304 | 0 | 0 | 523 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Naphtha and Other Oils for Petro. Feedstock | 50 | 0 | 0 | 18 | 0 | 0 | 0 | 50 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 326 | 87 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Lubricants | 12 | 25 | 0 | 52 | 39 | 0 | 0 | 626 | 230 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Asphalt and Road Oil | 0 | 173 | 0 | 175 | 0 | 0 | 0 | 84 | 723 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Miscellaneous Products | 39 | 0 | 0 | 57 | 84 | 0 | 0 | 118 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | | | |
| Total All Products | 9,560 | 598 | 0 | 3,236 | 8,950 | 2,091 | 0 | 73,086 | 33,452 | 0 | 1,630 | 1,804 | 896 | 1,019 | 2,769 | 0 | 16,791 | 0 | 16,791 | 0 | 0 | | | |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 27. Movements of Petroleum Products by Pipeline between PAD Districts, July 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | From IV to | | | From V to | | |
|---|--------------|----------|--------------|--------------|--------------|---------------|-------------|--------------|----------|--------------|----------|------------|--------------|----------|----------|
| | II | III | I | I | III | IV | I | II | IV | V | II | III | V | III | IV |
| Pentanes Plus | 0 | 0 | 0 | 0 | 643 | 0 | 0 | 1,410 | 0 | 0 | 0 | 154 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 796 | 5,254 | 39 | 0 | 681 | 0 | 0 | 0 | 742 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 4,863 | 0 | 1,416 | 1,800 | 1,216 | 38,238 | 0 | 784 | 0 | 730 | 0 | 324 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 2,408 | 0 | 449 | 935 | 640 | 13,374 | 0 | 386 | 0 | 324 | 0 | 406 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 2,455 | 0 | 967 | 865 | 576 | 24,864 | 0 | 398 | 0 | 406 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 10 | 0 | 0 | 0 | 14 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 84 | 0 | 0 | 170 | 0 | 343 | 0 | 188 | 0 | 52 | 0 | 72 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 5 | 0 | 112 | 50 | 596 | 5,754 | 0 | 206 | 0 | 72 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 1,679 | 0 | 214 | 599 | 226 | 11,234 | 0 | 356 | 0 | 165 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 6,641 | 0 | 2,578 | 8,516 | 2,091 | 56,728 | 0 | 1,534 | 0 | 1,019 | 0 | 896 | 1,019 | 0 | 0 |
| Total | 6,641 | 0 | 2,578 | 8,516 | 2,091 | 56,728 | 0 | 1,534 | 0 | 1,019 | 0 | 896 | 1,019 | 0 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 28. Movements of Crude Oil and Petroleum Products by Tanker and Barge between PAD Districts, July 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | | | From V to | | |
|---|-----------|-----|---|------------|-----|---|-------------|---------|----------|---------|-------|-----------|-------|--------|
| | II | III | V | I | III | V | I | New Eng | Cent Atl | Low Atl | II | V | I | III |
| | | | | | | | | | | | | | | |
| Crude Oil | 0 | 359 | 0 | 0 | 0 | 0 | 0 | 211 | 0 | 211 | 0 | 1,709 | 0 | 16,733 |
| Petroleum Products | 2,919 | 239 | 0 | 658 | 434 | 0 | 0 | 474 | 3,779 | 11,894 | 2,950 | 96 | 0 | 58 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 331 | 72 | 413 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 1,690 | 0 | 0 | 256 | 7 | 0 | 0 | 173 | 1,588 | 7,201 | 714 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 877 | 0 | 0 | 100 | 0 | 0 | 0 | 33 | 340 | 2,577 | 276 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 813 | 0 | 0 | 156 | 7 | 0 | 0 | 140 | 1,248 | 4,624 | 438 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 46 | 38 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 138 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 557 | 1,372 | 186 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 898 | 0 | 0 | 51 | 0 | 0 | 0 | 16 | 484 | 2,099 | 530 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 89 | 304 | 0 | 0 | 184 | 0 | 339 | 10 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. Feed. Use | 50 | 0 | 0 | 18 | 0 | 0 | 0 | 50 | 0 | 50 | 19 | 0 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 163 | 139 | 87 | 55 | 0 | 0 |
| Lubricants | 12 | 25 | 0 | 52 | 39 | 0 | 0 | 0 | 443 | 183 | 230 | 41 | 0 | 0 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 173 | 0 | 175 | 0 | 0 | 0 | 84 | 0 | 70 | 723 | 0 | 0 | 0 |
| Miscellaneous Products | 39 | 0 | 0 | 17 | 84 | 0 | 0 | 118 | 0 | 0 | 0 | 0 | 0 | 58 |
| Total | 2,919 | 598 | 0 | 658 | 434 | 0 | 0 | 474 | 3,990 | 11,894 | 4,659 | 96 | 2,769 | 16,791 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 29. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker and Barge between PAD Districts, July 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | PAD District III | | | PAD District IV | | | PAD District V | | |
|--|----------------------|-----------------------|---------------------|-----------------------|------------------------|----------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|----------------------|----------------------|-----------------------|---------------------|
| | Receipts into PADD I | Shipments from PADD I | Net Receipts PADD I | Receipts into PADD II | Shipments from PADD II | Net Receipts PADD II | Receipts into PADD III | Shipments from PADD III | Net Receipts PADD III | Receipts into PADD IV | Shipments from PADD IV | Net Receipts PADD IV | Receipts into PADD V | Shipments from PADD V | Net Receipts PADD V |
| Crude Oil (Tanker and Barge only) | 2,980 | 359 | 2,621 | 1,709 | 0 | 1,709 | 17,092 | 1,920 | 15,172 | 0 | 0 | 0 | 0 | 19,502 | -19,502 |
| Petroleum Products | 76,111 | 9,799 | 66,312 | 43,107 | 14,277 | 28,830 | 10,143 | 106,248 | -96,105 | 2,091 | 3,719 | -1,628 | 2,649 | 58 | 2,591 |
| Pentanes Plus | 0 | 0 | 0 | 1,504 | 643 | 861 | 797 | 1,410 | -613 | 0 | 248 | -248 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 1,933 | 0 | 1,933 | 7,491 | 6,089 | 1,402 | 5,996 | 7,947 | -1,951 | 39 | 1,423 | -1,384 | 0 | 0 | 0 |
| Unfinished Oils | 403 | 0 | 403 | 413 | 0 | 413 | 0 | 816 | -816 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 252 | 0 | 252 | 0 | 0 | 0 | 0 | 252 | -252 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 48,872 | 6,553 | 42,319 | 20,327 | 4,695 | 15,632 | 1,807 | 61,209 | -59,402 | 1,216 | 1,279 | -63 | 1,514 | 0 | 1,514 |
| Finished Leaded Motor Gasoline | 16,873 | 3,285 | 13,588 | 10,028 | 2,124 | 7,904 | 935 | 23,119 | -22,184 | 640 | 658 | -18 | 710 | 0 | 710 |
| Finished Unleaded Motor Gasoline | 31,999 | 3,268 | 28,731 | 10,299 | 2,571 | 7,728 | 872 | 38,090 | -37,218 | 576 | 621 | -45 | 804 | 0 | 804 |
| Finished Aviation Gasoline | 151 | 10 | 141 | 238 | 14 | 224 | 0 | 379 | -379 | 14 | 0 | 14 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 343 | 179 | 164 | 244 | 170 | 74 | 211 | 565 | -354 | 0 | 124 | -124 | 240 | 0 | 240 |
| Kerosene-Type Jet Fuel | 7,872 | 176 | 7,696 | 3,612 | 758 | 2,854 | 50 | 11,393 | -11,343 | 596 | 81 | 515 | 278 | 0 | 278 |
| Kerosene | 56 | 5 | 51 | 6 | 0 | 6 | 0 | 57 | -57 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 14,098 | 2,577 | 11,521 | 8,102 | 1,090 | 7,012 | 599 | 19,315 | -18,716 | 226 | 564 | -338 | 521 | 0 | 521 |
| Residual Fuel Oil | 612 | 0 | 612 | 10 | 393 | -383 | 304 | 533 | -229 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. | | | | | | | | | | | | | | | |
| Feedstock Use | 68 | 50 | 18 | 69 | 18 | 51 | 0 | 69 | -69 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 326 | 0 | 326 | 87 | 0 | 87 | 0 | 468 | -468 | 0 | 0 | 0 | 55 | 0 | 55 |
| Lubricants | 678 | 37 | 641 | 242 | 91 | 151 | 64 | 897 | -833 | 0 | 0 | 0 | 41 | 0 | 41 |
| Waxes | 13 | 0 | 13 | 0 | 0 | 0 | 0 | 13 | -13 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 259 | 173 | 86 | 723 | 175 | 548 | 173 | 807 | -634 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 175 | 39 | 136 | 39 | 141 | -102 | 142 | 118 | 24 | 0 | 0 | 0 | 0 | 58 | -58 |
| Total All Products | 79,091 | 10,158 | 68,933 | 44,816 | 14,277 | 30,539 | 27,235 | 108,168 | -80,933 | 2,091 | 3,719 | -1,628 | 2,649 | 19,560 | -16,911 |

Source: See Explanatory Notes on Data Collection and Estimation.

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Table 30. Production of Residual Fuel Oil by Sulfur Content, July 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | | |
|---------------------------------|----------------|----------------|-------|-----------------|----------------|---------------------|-------------------|------------------|--------------|------------------|----------------|-----------------|------------|---------------|-------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | | Total | Rocky Mt. | Dist. V West Coast |
| Residual Fuel Oil | 3,100 | 73 | 3,173 | 54 | 1,441 | 238 | 512 | 2,245 | 693 | 4,647 | 2,431 | 245 | 13 | 8,029 | 333 | 10,781 | 24,561 |
| 0.00 to 0.30% Sulfur | 713 | 14 | 727 | 0 | 92 | 8 | 1 | 101 | 82 | 354 | 461 | 87 | 8 | 992 | 90 | 374 | 2,284 |
| 0.31 to 1.00% Sulfur | 2,005 | 3 | 2,008 | 25 | 372 | 0 | 367 | 764 | 480 | 1,094 | 706 | 100 | 0 | 2,380 | 98 | 3,027 | 8,277 |
| Greater Than 1.00% Sulfur | 382 | 56 | 438 | 29 | 977 | 230 | 144 | 1,380 | 131 | 3,199 | 1,264 | 58 | 5 | 4,657 | 145 | 7,380 | 14,000 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 31. Stocks of Residual Fuel Oil by Sulfur Content, July 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD | | | United States | | |
|---|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|------------------|--------------|------------------|----------------|---------------|------------|-------|---------------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | PAD | |
| | | | | | | | | | | | | | | | | Rocky Mt. | Dist. V West Coast |
| Residual Fuel Oil -- 0.00 to 0.30% Sulfur | | | | | | | | | | | | | | | | | |
| Refinery | 479 | 25 | 504 | 0 | 37 | 6 | 1 | 44 | 104 | 44 | 316 | 10 | 10 | 484 | 110 | 276 | 1,418 |
| Bulk Terminal | -- | -- | 3,795 | -- | -- | -- | -- | 4 | -- | -- | -- | -- | -- | 107 | 0 | 224 | 4,130 |
| Total | -- | -- | 4,299 | -- | -- | -- | -- | 48 | -- | -- | -- | -- | -- | 591 | 110 | 500 | 5,548 |
| Residual Fuel Oil -- 0.31 to 1.00% Sulfur | | | | | | | | | | | | | | | | | |
| Refinery | 1,437 | 6 | 1,443 | 15 | 614 | 0 | 131 | 760 | 89 | 780 | 1,232 | 67 | 0 | 2,168 | 149 | 2,106 | 6,626 |
| Bulk Terminal | -- | -- | 7,200 | -- | -- | -- | -- | 336 | -- | -- | -- | -- | -- | 1,085 | 0 | 715 | 9,336 |
| Total | -- | -- | 8,643 | -- | -- | -- | -- | 1,096 | -- | -- | -- | -- | -- | 3,253 | 149 | 2,821 | 15,962 |
| Residual Fuel Oil -- Greater than 1.00% Sulfur | | | | | | | | | | | | | | | | | |
| Refinery | 620 | 60 | 680 | 4 | 875 | 256 | 67 | 1,202 | 167 | 3,071 | 911 | 59 | 8 | 4,216 | 304 | 5,254 | 11,656 |
| Bulk Terminal | -- | -- | 11,066 | -- | -- | -- | -- | 1,179 | -- | -- | -- | -- | -- | 1,748 | 0 | 1,883 | 15,876 |
| Total | -- | -- | 11,746 | -- | -- | -- | -- | 2,381 | -- | -- | -- | -- | -- | 5,964 | 304 | 7,137 | 27,532 |

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable

Table 32. Movements of Residual Fuel Oil by Tanker and Barge between PAD Districts, by Sulfur Content, July 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | From V to | | |
|---------------------------------|-----------|-----|---|------------|-----|---|-------------|----------|---------|-----------|----|-----|
| | II | III | V | I | III | V | I | Cent Atl | Low Atl | I | II | III |
| Residual Fuel Oil | 0 | 0 | 0 | 89 | 304 | 0 | 523 | 184 | 0 | 339 | 10 | 0 |
| 0.00 to 0.30% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00% Sulfur | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greater Than 1.00% Sulfur | 0 | 0 | 0 | 85 | 304 | 0 | 523 | 184 | 0 | 339 | 10 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, July 1984
(Thousand Barrels)

| Country | Residual Fuel Oil | | | | Total |
|----------------------------------|-------------------|------------------|-----------------------|--|-------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | | |
| Arab OPEC | | | | | |
| Algeria | 1,137 | 710 | 0 | | 1,847 |
| Iraq | 0 | 0 | 0 | | 0 |
| Kuwait | 0 | 0 | 0 | | 0 |
| Libya | 0 | 0 | 0 | | 0 |
| Qatar | 0 | 0 | 0 | | 0 |
| Saudi Arabia | 0 | 0 | 0 | | 0 |
| United Arab Emirates | 0 | 0 | 0 | | 0 |
| Subtotal Arab OPEC | 1,137 | 710 | 0 | | 1,847 |
| Other OPEC | | | | | |
| Ecuador | 179 | 0 | 298 | | 477 |
| Gabon | 0 | 0 | 0 | | 0 |
| Indonesia | 574 | 14 | 19 | | 607 |
| Iran | 0 | 0 | 0 | | 0 |
| Nigeria | 0 | 0 | 0 | | 0 |
| Venezuela | (5) | 350 | 2,042 | | 2,392 |
| Subtotal Other OPEC | 754 | 364 | 2,358 | | 3,476 |
| Other | | | | | |
| Angola | 0 | 0 | 0 | | 0 |
| Australia | 519 | 11 | 16 | | 545 |
| Bahamas | 0 | 0 | 0 | | 0 |
| Bolivia | 0 | 0 | 0 | | 0 |
| Brazil | 647 | 795 | 0 | | 1,443 |
| Brunei | 0 | 0 | 0 | | 0 |
| Canada | 193 | 239 | 685 | | 1,117 |
| Congo | 205 | 190 | 0 | | 395 |
| Egypt | 0 | 0 | 0 | | 0 |
| France | 299 | 0 | 0 | | 299 |
| Ghana | 0 | 0 | 0 | | 0 |
| Liberia | 134 | 0 | 0 | | 134 |
| Malaysia | 0 | 0 | 0 | | 0 |
| Mexico | 0 | 0 | 303 | | 303 |
| Netherlands | 215 | 215 | 0 | | 430 |
| Netherlands Antilles | 0 | 0 | 2,107 | | 2,107 |
| Norway | 0 | 0 | 0 | | 0 |
| Oman | 0 | 0 | 0 | | 0 |
| People's Republic of China | 0 | 0 | 0 | | 0 |
| Peru | 0 | 0 | 275 | | 275 |
| Puerto Rico | 0 | 0 | 0 | | 0 |
| Romania | 0 | 0 | 0 | | 0 |
| Spain | 0 | 0 | 0 | | 0 |
| Syria | 0 | 0 | 0 | | 0 |
| Trinidad | 443 | 0 | 459 | | 902 |
| Tunisia | 0 | 0 | 0 | | 0 |
| United Kingdom | 0 | 0 | 0 | | 0 |
| Virgin Islands | 1,008 | 1,503 | 1,233 | | 3,745 |
| Yugoslavia | 0 | 0 | 0 | | 0 |
| Zaire | 0 | 0 | 0 | | 0 |

See footnotes at end of table.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, July 1984
(Thousand Barrels)
(continued)

| Country | Residual Fuel Oil | | | Total |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| Other | | | | |
| Other Western Hemisphere | 7 | 0 | 888 | 895 |
| Other Eastern Hemisphere | (s) | 118 | 456 | 574 |
| Subtotal Other | 3,671 | 3,071 | 6,420 | 13,163 |
| Total Imports | 5,562 | 4,146 | 8,778 | 18,486 |

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 34. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, July 1984
(Thousand Barrels)

| State | Residual Fuel Oil | | | Total |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| PAD District I | 3,954 | 3,296 | 8,301 | 15,551 |
| Delaware | 0 | 0 | 61 | 61 |
| Florida | 0 | 531 | 527 | 1,058 |
| Georgia | 0 | 0 | 15 | 15 |
| Maine | 1 | 0 | 339 | 340 |
| Maryland | 179 | 97 | 729 | 1,005 |
| Massachusetts | 514 | 136 | 1,228 | 1,879 |
| New Hampshire | 0 | 0 | 41 | 41 |
| New Jersey | 753 | 626 | 1,786 | 3,165 |
| New York | 2,494 | 1,152 | 2,535 | 6,181 |
| North Carolina | 0 | 0 | 229 | 229 |
| Pennsylvania | 0 | 446 | 60 | 507 |
| South Carolina | 0 | 0 | 50 | 50 |
| Vermont | 5 | 0 | (s) | 5 |
| Virginia | 7 | 308 | 700 | 1,015 |
| PAD District II | 10 | 0 | 38 | 48 |
| Minnesota | 10 | 0 | 23 | 33 |
| North Dakota | (s) | 0 | 2 | 2 |
| Wisconsin | 0 | 0 | 13 | 13 |
| PAD District III | 1,535 | 700 | 271 | 2,506 |
| Louisiana | 490 | 0 | 271 | 761 |
| Texas | 1,045 | 700 | 0 | 1,745 |
| PAD District IV | 5 | 0 | 6 | 11 |
| Montana | 5 | 0 | 6 | 11 |
| PAD District V | 58 | 149 | 162 | 369 |
| California | 0 | 0 | 6 | 6 |
| Hawaii | (s) | 143 | 156 | 300 |
| Oregon | 57 | 0 | 0 | 57 |
| Washington | 0 | 6 | 0 | 6 |
| All PAD Districts | 5,562 | 4,146 | 8,778 | 18,486 |

Glossary



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Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}-(\text{CH})_n-\text{OH}$. Alcohol includes methanol and ethanol.

Alkylation. A refinery process for chemically combining isoparaffin with olefin hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr } 60\text{F}/60\text{F}} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene.

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation gasoline.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt and wax to barrels are given in the definitions for these products.

Barrels Per Calendar Day. See *Operable Capacity*.

Barrels Per Stream Day. See *Operable Capacity*.

Bi-Metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g. platinum, rhenium).

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon. (C_4H_{10}). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C_4H_8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil.

Catalytic Hydrocracking. A refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. naphthas, reformer feeds and heavy gas oils) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the conversion of low-octane gasoline fractions into higher octane stocks suitable for blending into finished gasoline; also the conversion of naphthas to obtain a more volatile product of higher octane number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g. platinum, alumina).

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. In-

cludes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite and oil shale. Drip gases are also included, but topped crude oil (residual) oil and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process to produce low Conradson carbon gas oil for catalytic cracking feedstock and for gasoline.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F. at the 10-percent point and 550 degrees F. at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a boiling range between 300-575 degrees F. and used in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees F. for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C₂H₆). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinic hydrocarbon, (C₂H₄), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Fluid Coking. A thermal process utilizing the fluidized-solids technique for continuous conversion of heavy, low-grade oils into lighter products.

Gasohol. See **Motor Gasoline (Finished).**

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillate-type fuel oils and diesel fuel, also cracked to produce gasoline.

Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation or motor gasoline.

Idle Capacity. The component of operable capacity that is not in operation and not under active repairs, but capable of being placed in operation within 30 days; and capacity not in operation but under active repairs that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported

crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See *Butane*.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alkylation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that boils at a temperature between 300-550 degrees F., that has a flash point higher than 100 degrees F. by ASTM Method D56, that has a gravity range from 40-46 degrees API, and that has a burning point in the range of 150-175 degrees F. Included are the two classifications recognized by ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees F. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 percent distillation temperature of 400 degrees F. It is covered by ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and nonassociated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liquefied Petroleum Gases (LPG). Ethane, Ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/ or refrigeration they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas used for chemical or rubber manufacture which is reported as a petrochemical feedstock and also excludes liquefied petroleum gases intended for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstock or other uses.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrofining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a boiling range of 122-158 degrees F. at the 10-percent point to 365-374 degrees F. at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. The actual lead content of any given gallon, however, may vary as a function of the size of the producer and company according to specific Environmental Protection Agency waiver provisions. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blend stock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specification of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: Ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e. products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C₅H₁₂), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See *Butane*.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation, and not under active repairs but capable of being placed in operation within 30 days; or not in operation but under active repairs that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed in an atmos-

pheric distillation facility during a twenty-four hour period after making allowances for the following limitations:

The capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation.

The types and grades of inputs to be processed.

The types and grades of products expected to be manufactured.

The environmental constraints associated with refinery operations.

The reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs and turnaround.

The reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline and plant condensate.

Petrochemical Feedstock Use. Chemical feedstocks derived from petroleum, principally for the manufacture of chemicals, synthetic rubber and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F. end-point" and "Other oils over 400 degrees F. end point."

Naphtha-Less Than 400 Degrees F. End-Point. A naphtha with an end point of less than 400 degrees F. that is intended for use as a petrochemical feedstock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.

Catalyst Coke. In many catalytic operations (i.e., catalytic cracking) carbon is deposited on the catalyst thus, deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refinery process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400 F. end-point, other oils over 400 F. end-point, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Petroleum Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in transit from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks excludes stocks of foreign origin that are held in bonded warehouse storage.

Propane. A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D1835.

Propylene. An olefinic hydrocarbon, (C₃H₆), recovered from refinery processes or petrochemical processes.

Residual Fuel Oil. The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Special Naphthas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees F. "Special naphthas" includes all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Petrochemical Feedstock Use. Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, less the amount of such streams returned to the source refinery. Finished petrochemical products are not included. For example, polyethylene, butadiene, etc. are considered petrochemical products; therefore, only their feedstock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series pre-

dominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42-U.S. gallon barrel.

Microcrystalline Wax. Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics:

Penetration at 77 degrees F. (D1321)-60 maximum. Viscosity at 210 degrees F. in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.51 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and adjacent islands.

Bureau of Mines Petroleum Refining Districts and PAD Districts

The following are the Bureau of Mines petroleum refining districts which make up the PAD districts:

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalachian #2: The following counties of the State of Ohio: Erie, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ross, Pike, Scioto, and all counties east thereof.

Indiana—Illinois—Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and that part of the State of Ohio not included in the Appalachian District.

Minnesota—Wisconsin—North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma—Kansas—Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana—Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

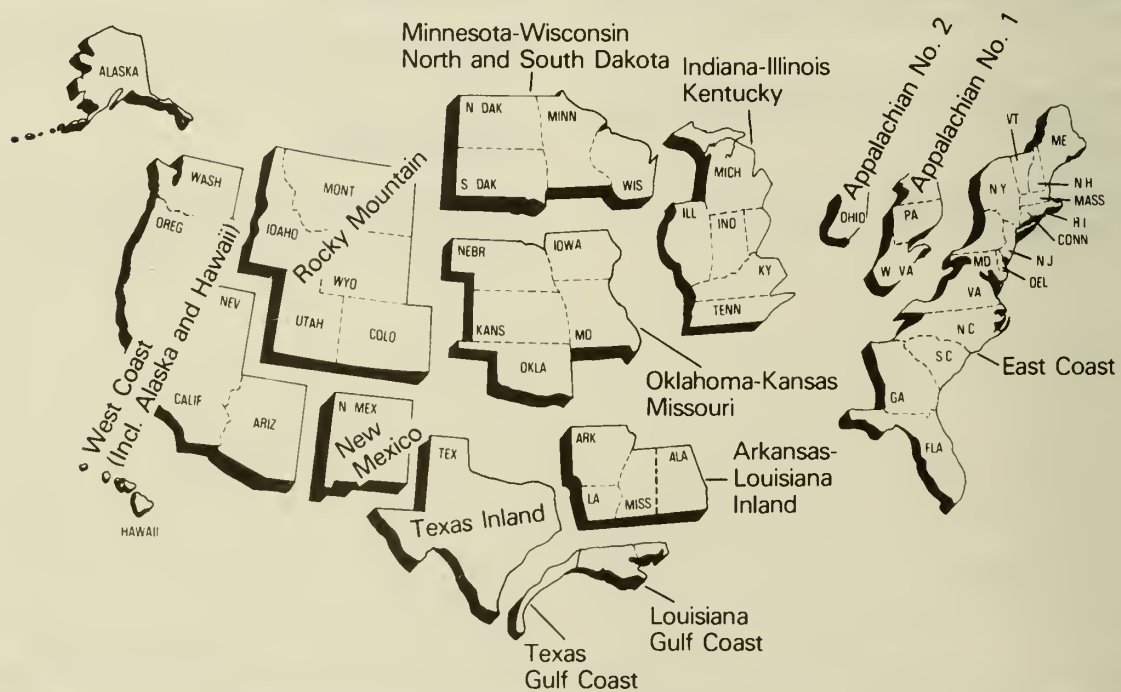
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

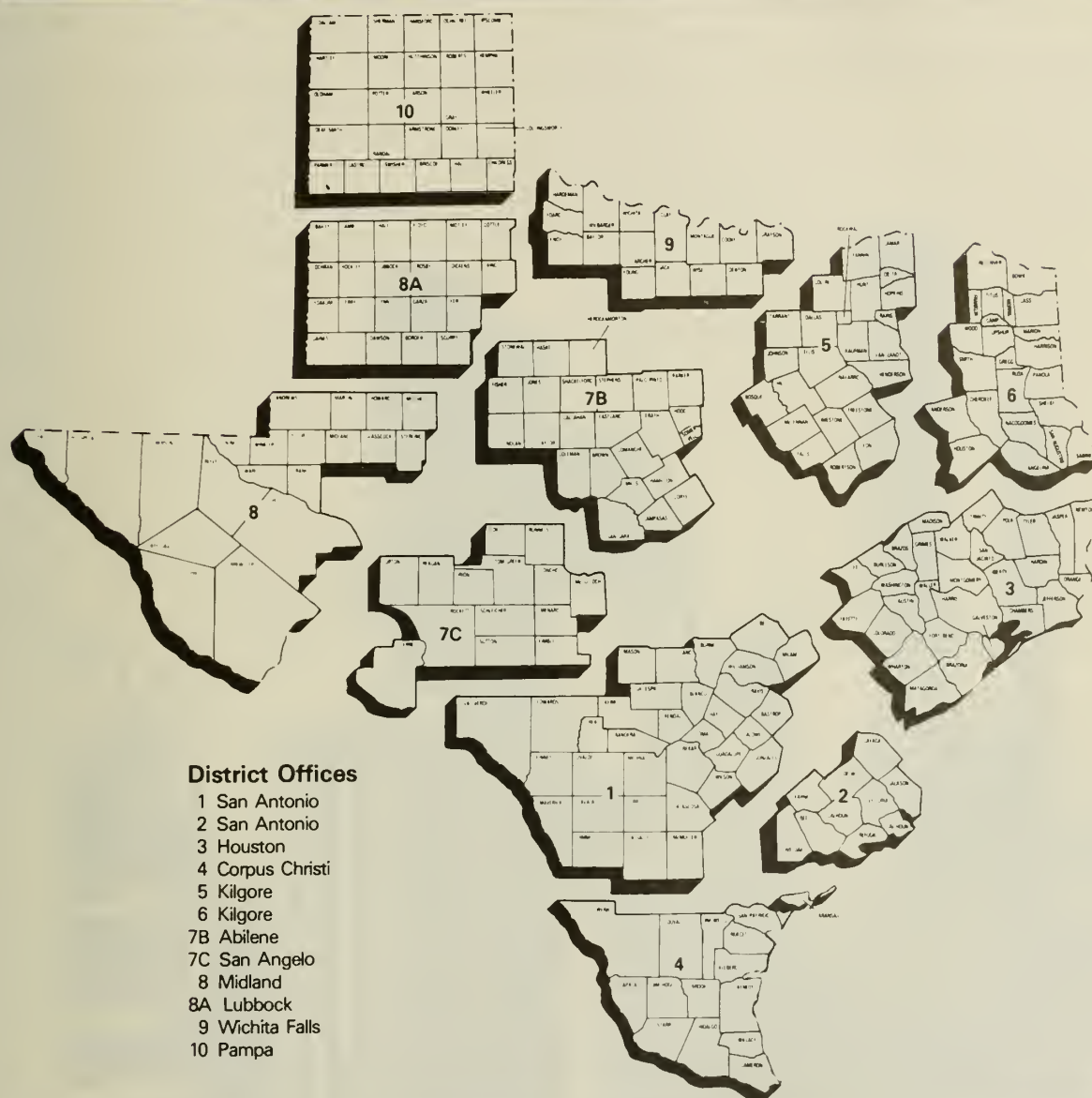
Petroleum Administration for Defense (PAD) Districts



Bureau of Mines Refining Districts



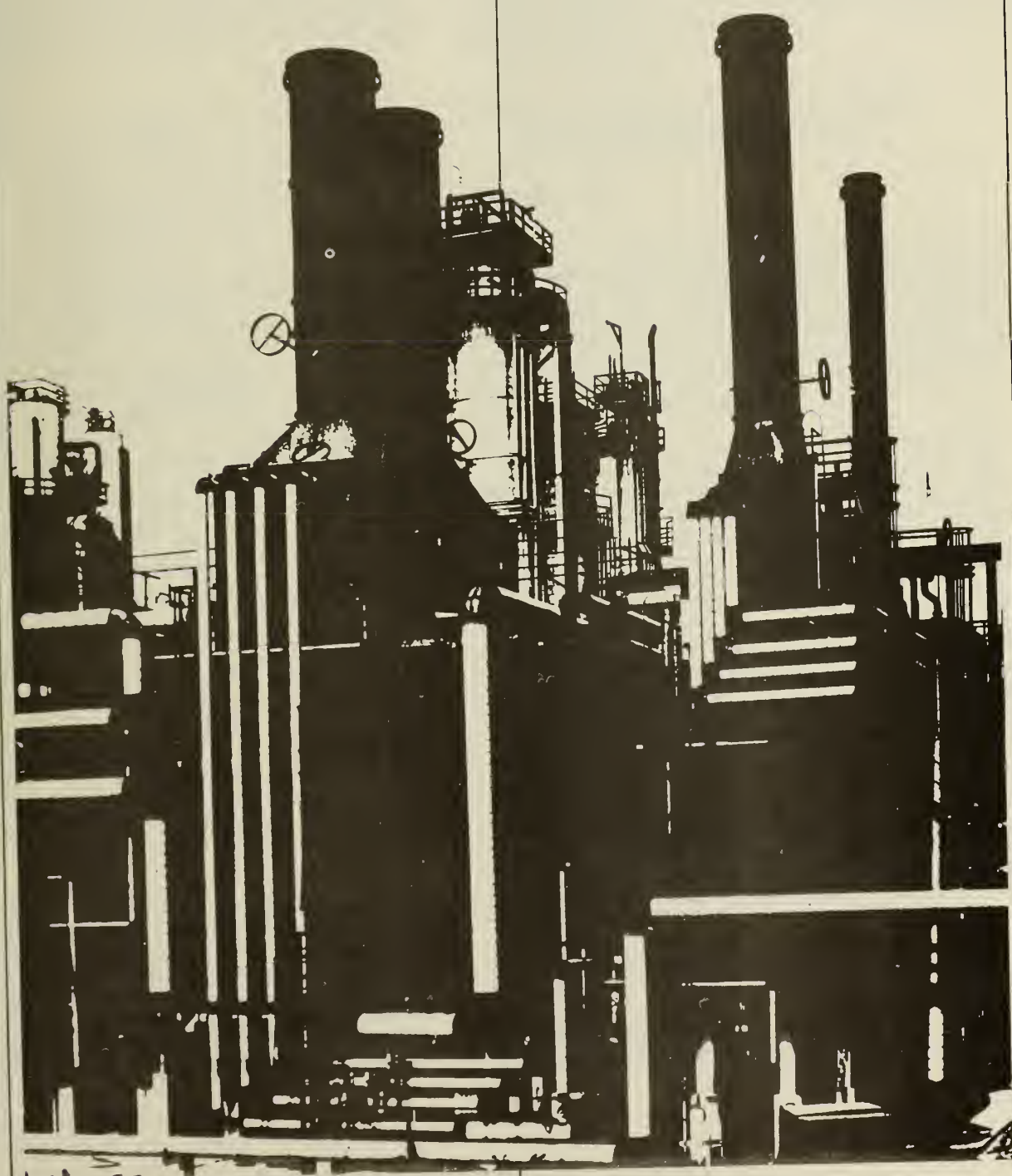
District Map Oil and Gas Division Railroad Commission of Texas

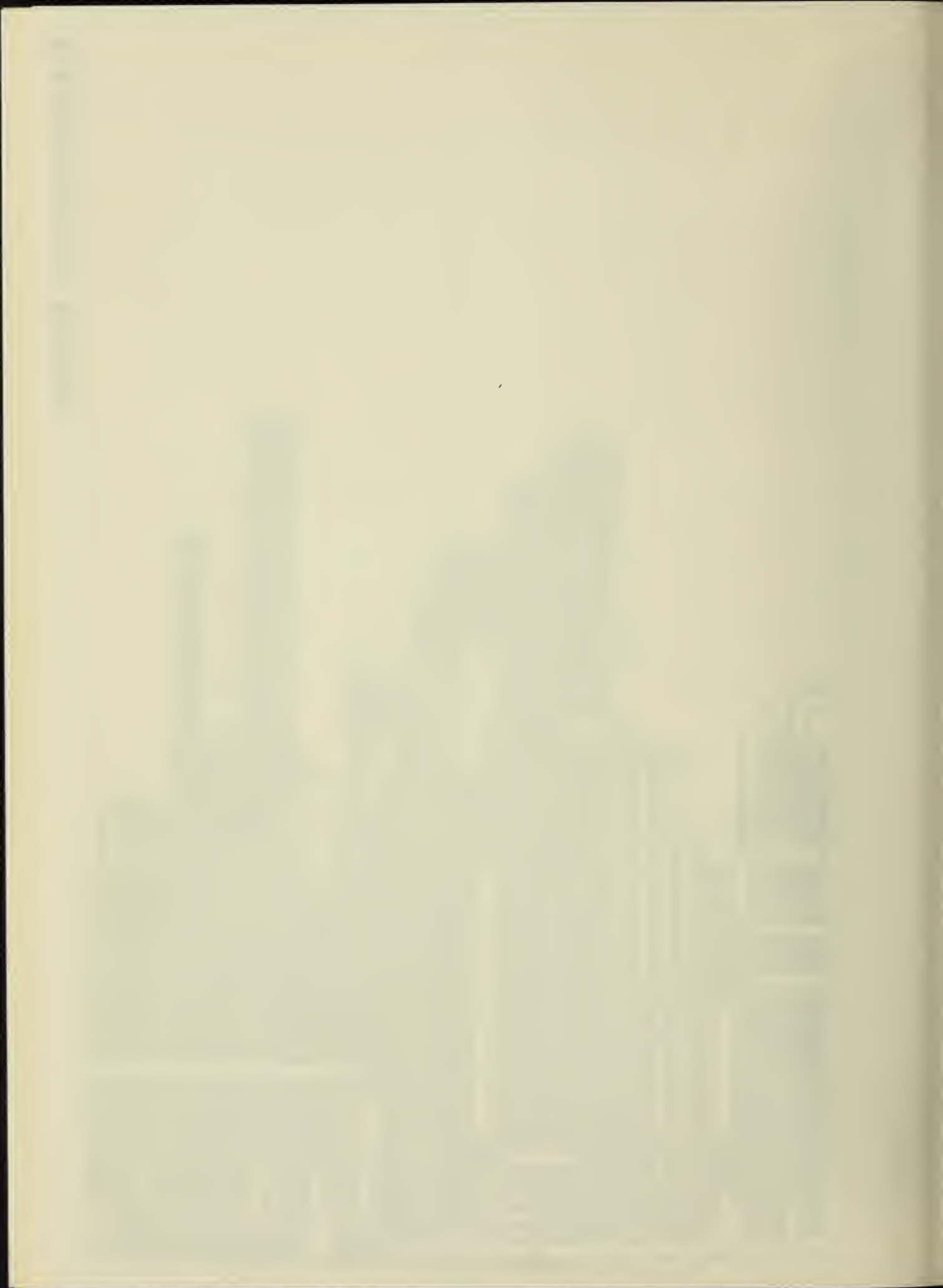


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Explanatory Notes





Explanatory Notes

Note 1: Data Collection Methodology

Background

Beginning in January 1983, the Energy Information Administration (EIA) unified its petroleum supply data collection activities into the Petroleum Supply Reporting System (PSRS). The PSRS represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The primary focus of the consolidation has been to revise the weekly and monthly survey reporting forms to assure consistency in form layout, preparation instructions, and definitions. As a result, a new set of survey forms were implemented in January 1983. The following are the new form numbers and their corresponding predecessor forms:

| New Form Number | Name | Old Form Number |
|-----------------|--|-----------------|
| EIA-800 | Weekly Refinery Report | EIA-161 |
| EIA-801 | Weekly Bulk Terminal Report | EIA-162 |
| EIA-802 | Weekly Product Pipeline Report | EIA-163 |
| EIA-803 | Weekly Crude Oil Stocks Report | EIA-164 |
| EIA-804 | Weekly Imports Report | EIA-165 |
| EIA-805 | Weekly Shipments from Puerto Rico to the United States Report | — |
| EIA-810 | Monthly Refinery Report | EIA-87 |
| EIA-811 | Monthly Bulk Terminal Report | EIA-88 |
| EIA-812 | Monthly Product Pipeline Report | EIA-89 |
| EIA-813 | Monthly Crude Oil Report | EIA-90 |
| ERA-60 | Monthly Imports Report | ERA-60 |
| EIA-815 | Monthly Shipments from Puerto Rico to the United States Report | FEA-P133-M-0 |
| EIA-816 | Monthly Natural Gas Liquids Report | EIA-64 |
| EIA-817 | Monthly Tanker and Barge Movement Report | EIA-170 |

Forms EIA-800 through 805 comprise the Weekly Petroleum Supply Reporting System (WPSRS). This system is designed to collect basic refinery operations and product stock data for major products on a weekly basis. Data from the WPSRS are published in the *Weekly Petroleum Status Report (WPSR)* and are also used to calculate the preliminary statistics in the "Summary Statistics" section of the *Petroleum Supply Monthly*

(PSM). A description of the WPSRS survey forms follows in Note 1.1.

Forms EIA-810-813, 815-817 and ERA-60 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery operations data, refinery, bulk terminal and pipeline stocks data, crude oil and petroleum product imports data and movements of petroleum products and crude oil between PAD Districts data. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the PSM. A description of MPSRS survey forms follows in Note 1.2.

Data are also obtained in magnetic tape form from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSM. A description of the Census data follows in Note 1.3.

Note 1.1: Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first began publishing weekly petroleum supply statistics in April 1979 in response to the Iranian oil crisis. Initially, the published data were taken from the American Petroleum Institute (API) *Weekly Statistical Bulletin*. However, in January 1980 the EIA began to publish weekly statistics from its own surveys, with the exception of imports statistics which the EIA did not begin collecting until June 1980.

The weekly surveys collect data comparable to those collected on a monthly basis. Selected petroleum companies report weekly data to the EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports each shipment entering the United States. On Form EIA-805, a company shipping unfinished oils and finished petroleum products into the United States from Puerto Rico reports each shipment. Current weekly data and the most recent monthly data are used to estimate the totals that are published in the *Weekly Petroleum Status Report*.

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-800: Based on the EIA-810 universe, which includes all petroleum refineries in the United States and

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its territories, industrial facilities that have crude oil distillation capacity and produce some refined petroleum products, and plants that produce finished motor gasoline through mechanical blending. The selected sample size is 215.

EIA-801: Based on the EIA-811 universe, which includes all bulk terminal facilities in the United States and its territories that have either a total bulk storage capacity of 50,000 barrels or more, or that receive petroleum products by tanker, barge, or pipeline. The selected sample size is 93.

EIA-802: Based on the EIA-812 universe, which includes all petroleum product pipeline companies in the United States and its territories that transport refined petroleum products, including interstate, intrastate and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-802 frame. Only those pipeline companies that transport products covered in the weekly survey are included. The selected sample size is 65.

EIA-803: Based on the EIA-813 universe, which consists of all companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-804: Based on the ERA-60 universe, which includes all importers of record of crude oil and petroleum products into the United States and Puerto Rico. The selected sample size is 65.

EIA-805: Based on the EIA-815 universe, which includes all shippers of unfinished oils and petroleum products into the United States from Puerto Rico. Four companies report.

Sampling Method

The cut-off method is the sampling procedure used for all weekly surveys except the EIA-802, which uses the monthly universe in its entirety. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous 12-month period. Companies are chosen for the sampling, beginning with the largest and adding companies until the total sample covers 90 percent of the total for the previous time period for each product published in the *Weekly Petroleum Status Report*.

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period closes each Friday at 7 a.m. All canvassed firms and terminal operations companies must file by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M_t) is divided by the amount reported by the sample of companies for the most recent month (M_s). The result is multiplied by the amount reported by the sample of companies for the current week (W_s). The answer, W_t , is an estimate of the amount that would have been reported by all companies for the current week if all companies reported each week.

$$W_t = \frac{M_t}{M_s} (W_s)$$

This procedure is used to estimate total weekly inputs to refineries and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-by-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of weekly imports is the sum of the smoothed ratio multiplied by the weekly values and estimates for shipments from Puerto Rico. Imports of other oils includes an adjustment from Census data for unlicensed products because of coverage differences between the monthly imports data and Census data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 95 and 98 percent.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems

were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movements of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and plants that produce finished motor gasoline through the mechanical blending of liquids which are operated or controlled in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, the Hawaiian Foreign Trade Zone, and Guam. Approximately 313 respondents report on the EIA-810.

EIA-811: All bulk terminal facilities in the 50 States and the District of Columbia, Puerto Rico, and the Virgin Islands that (a) have a total bulk storage capacity of 50,000 barrels or more and/or (b) receive petroleum products by tanker, barge, or pipeline, regardless of ownership of the material. Approximately 328 respondents report on the EIA-811.

EIA-812: All products pipeline companies that carry petroleum products (including interstate, intrastate and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 94 respondents report on the EIA-812.

EIA-813: All companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-815: All licensed importers and importers of record shipping petroleum products from Puerto Rico into the 50 States and the District of Columbia.

Import data from the ERA-60 and EIA-815 are integrated into the import statistics reported in the PSM.

EIA-816: All operators of facilities designed to extract liquid hydrocarbons from natural gas stream (natural gas processing plants) or to separate a hydrocarbon stream into its component products, i.e., propane, butane, natural gasoline, etc. (fractionators). Approximately 990 respondents report on the EIA-816.

EIA-817: All known companies and plants that have custody of crude oil and petroleum products transported by tanker and barge between PAD Districts or between PAD Districts and the Panama Canal. There are about 50 respondents.

ERA-60: All licensed importers and importers of record importing crude oil and petroleum products into the

United States and Puerto Rico. The respondent universe consisted of approximately 1,100 firms as of July 31, 1982. However, only a selected 250 importers must report each month regardless of import activity. All others must report only for a month in which they actually had imports. The respondent universe for this survey is updated whenever an import license is granted by the Office of Oil Imports of the ERA.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *LP Gas Almanac* for information on facilities or companies going into operation or closing down. These are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Periodically an extensive survey study is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th day following the end of the report month, with the exception of the EIA-815 and ERA-60 which are due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline, for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed only for nonresponding companies that submitted reports the previous month. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. In the event that the previous month's data were estimated, the respondent is contacted and requested to submit estimates, if necessary, to be followed by submission of actual data. Data for nonrespondents on the EIA-815 and 817, and ERA-60 are not imputed.

Response Rates

As of the filing deadline, the response rates of the EIA-810 through EIA-813 respondents is over 90 per-

cent. The response rate for the EIA-816 is over 85 percent and for the EIA-817 it is 98 percent. All companies that have not responded are contacted by telephone. Although data are taken by telephone to expedite processing, a certified submission is still required. Names of companies that fail to file for 2 consecutive months are forwarded for further noncompliance action.

In July 1983, the ERA-60 survey had a response rate of 99.9 percent by the filing deadline. The universe was 1,100 firms at that time. (Because this is a dynamic survey, the universe is constantly changing.) Standard follow-up of nonrespondents is made to insure that all reports are received, since data are not imputed for nonrespondents. In addition, response is cross-checked with response on the Petroleum Licensing Decrementation System (PLDS), a listing of each month's importers. The response rate is generally 98 to 99 percent by the time the data are first published.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data provide the only source of export statistics and are used to augment the import data collected by the EIA. Export statistics and import data from the Census tapes on liquefied petroleum gases and bonded ship bunkers are published in the PSM.

Import Statistics (IM-145)

Coverage

The import statistics reflect both government and non-government imports of merchandise from foreign countries into the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico), without regard to whether or not a commercial transaction is involved. In general, the statistics record the physical movement of merchandise into the United States from foreign countries, with the exception of the following types of transactions that are excluded from the statistics:

1. Merchandise in-transit through the United States, when documented with Customs as an in-transit movement.
2. Shipments from anywhere to U.S. possessions and shipments from U.S. possessions to the United States. (U.S. possessions include Puerto Rico, the Virgin Islands, Guam, and American Samoa.)
3. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Imported petroleum is reported as *Imports for Consumption*. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. With certain exceptions as indicated above, these data generally reflect the total of commodities entered into U.S. consumption channels.

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Coverage

The export statistics reflect both government and non-government exports of domestic and foreign merchandise from the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico) to foreign countries, without regard to whether or not the exportation involves a commercial transaction. In general, the statistics record the physical movement of merchandise out of the United States to foreign countries, with the exception of the following types of transactions:

1. All shipments from U.S. possessions, regardless of whether the shipments are sent to the United States, to other U.S. possessions, or to foreign countries.
2. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
3. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census primarily from copies of Shipper's Export Declarations. Exporters are required to file Shipper's Export Declarations with Customs officials. The only exceptions are those exporters who have been authorized to submit data directly to the Bureau of Census on magnetic tape, punched cards, or monthly Shipper's Summary Export Declarations.

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. For survey description and other detail, see Explanatory Note 1.2.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

Imports of crude oil and petroleum products are reported monthly on Form ERA-60, *Report of Oil Imports into the United States and Puerto Rico*, and Form EIA-815, *Shipments of Refined Products (Including Unfinished Oils) from Puerto Rico to the United States*. In addition, the Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. The most prominent difference between the EIA and Census systems appears in imports of liquefied petroleum

gases (LPG), where the Census data show a much higher level of imports than EIA data. This occurs because the ERA-60 respondent frame was built by monitoring importers of licensed products and LPGs are not licensed products. Therefore, respondents that import only LPGs have not been identified, and do not report these imports to the Department of Energy. Since these importers are required to file form 7501 with the U.S. Customs Service, EIA obtains data on imports of LPGs from Census Tabulation IM-145. Additional data taken from the IM-145 are relatively small quantities of naphtha- and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the ERA-60 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the month from stocks at the beginning of the same month. (Note: The beginning stocks of one month are equal to the ending stocks of the previous month.) A positive result (+) would represent a withdrawal from stocks and an increase in petroleum supplies distributed for domestic consumption. A negative result (-) would represent a buildup of stocks and a reduction in the amount of petroleum supplies distributed for domestic consumption. For a description of survey forms used to make stock withdrawal or addition calculations see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition.

Crude oil supply is the sum of field production, imports and stock withdrawals or additions. Crude oil disposition is the sum of exports, refinery input, losses and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supplies from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by each of the State conservation agencies, which collect crude oil production values for tax purposes. The U.S. Geological Survey reports the volume of crude oil that is produced offshore in Federally-owned waters. With the exception of ten State conservation agencies, all of these reports are received monthly. After each calendar year, these monthly numbers are updated using the annual reports

from the State conservation agencies and the U.S. Geological Survey. The ten States that do not report monthly values are Indiana, Kentucky, Missouri, Arkansas, Utah, New York, Ohio, Pennsylvania, West Virginia, and Wyoming. Monthly values are estimated for these States using the individual linear trends of their historical annual crude oil production values.

There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information on crude oil production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the EIA's Dallas Field Office prepares a series of State level estimates which are based on historical production patterns and are summed to obtain the monthly crude oil production values shown in the summary statistics of this publication.

The individual State level estimates are either exponential curve fitted projections based on recent data or are constant level projections based on the average production rate during a recent time period. In some cases, adjustments are made to these estimates based on additional information on expected changes in production rates supplied by a State agency, a trade association, or an individual field operator.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries. Crude oil losses at refineries are reported on Form EIA-810, *Refinery Report*.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawaiian Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refineries located in these places.

Product Supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus re-

finery input, minus exports. This formula ensures that total disposition equals total supply.

Products supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of that product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported, (2) data were misreported or reported late, (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Stocks of crude oil are also reported weekly on Form EIA-800, *Weekly Refinery Report*, and on Form EIA-803, *Weekly Crude Oil Stocks Report*. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or stocks held by consumers. Petroleum product stocks are also reported weekly on Form EIA-800, *Weekly Refinery Report*, Form EIA-801, *Weekly Bulk Terminal Report*, and Form EIA-802, *Weekly Crude Oil Stocks Report*. For survey descriptions and other details, see Explanatory Notes 1.1 - 1.3.

Note 6: Average Stock Levels

The graphs displaying monthly stock levels of crude oil, motor gasoline, distillate fuel oil, residual fuel oil, liquefied petroleum gases, and other products provide the user with recent data as well as a summary of data from January through December or from July through June for the most recent 3-year period. This summary takes the form of an *average range* that includes seasonal variation determined from a longer time period. The

average range represents the historical pattern; it is not a forecast.

These curves are updated semiannually (On April 1 and October 1), by basing the *average ranges* on a more recent time period. Each 3-year data series is adjusted by dropping the first 6 months and including the most recent 6 months.

For each data series, the monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive. The series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported stock levels. The intent of deseasonalization is to remove only seasonal variation from the data. Thus, a deseasonalized series would contain the same trends and irregularities as the original data. For crude oil stocks, the derived seasonal factors are very small relative to crude oil stock levels. Therefore, the seasonal factors for distillate fuel oil, residual fuel oil, liquefied petroleum gases and other products are derived using monthly data from 1974-1980. For motor gasoline, the seasonal factors are based on monthly data from 1975, 1976, 1978, 1979 and 1980. In 1977, there was virtually no seasonal behavior in motor gasoline stocks. Monthly stock levels stayed at the same high level for the entire year. In addition, the seasonal patterns in 1973, 1974 and 1977 were not representative of the recent past, and these years were not used in the determination of seasonal patterns for motor gasoline stocks. Because of these differences in the year-to-year seasonal fluctuation of motor gasoline, the evidence for the illustrated seasonal patterns for crude oil, distillate fuel oil, residual fuel oil, liquefied petroleum gases and other products is stronger than is the evidence for the illustrated seasonal patterns for motor gasoline.

In some cases, these seasonal patterns do not show a smooth transition from month to month. For example, the June factor for residual fuel oil is slightly less than the May and July values, making a bump in the curve. As there is little difference in the magnitude of these seasonal factors, it is possible that this variation is due to the small number of observations (7 years) and the data variability.

After seasonal factors are derived, the most recent 3-year period (from January through December or from July through June) is deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard error of the deseasonalized 36 months is calculated adjusting for extreme data points. The width of the *average range* is twice this standard error.

The upper curve of the *average range* is defined as the average plus the seasonal factors plus the standard error. The lower curve is defined as the average plus the seasonal factors minus the standard error.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Forms EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other detail, see Explanatory Note 1.2.

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, and 804) are used to estimate the most recent monthly values for the *Summary Statistics* section. Since some of the weekly reporting periods overlap two adjacent months, it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-of-month stock levels of crude oil and the major products (motor gasoline, distillate fuel oil, and residual fuel oil) are calculated in a similar manner, but use only the two weekly reporting periods that cover the end-of-week stocks before and after the end of the month. The end-of-month stock level is calculated by first calculating the stock change between the two weeks. The daily stock change between the two end-of-week stock levels is then calculated. This number is multiplied by the weighting factor of the earlier of the two weeks (the week that covers the last day of the month of interest). This change is added to the earlier of the two end-of-week stock levels to estimate the end-of-month stock level.

Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Petroleum Products Overview
statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 4. Total Production and Crude Oil Production appear under Field Production in Table 4.

- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.

- Petroleum Products Imports is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.

- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 9.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the Detailed Statistics, except where noted.

- Total Domestic Field Production, Alaskan Field Production, SPR Imports, Other Imports (synonymous with Imports Gross Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unaccounted For Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.

- Crude Losses and Product Supplied appear as labeled in Table 4.

- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.

- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.

- Total Imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Ending Stocks appear in thousand barrels in Table 2.

Note 9.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, propane, butane, butane-propane mixtures, ethane-propane mixtures, and isobutane. The statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.

- Ending stocks appear in thousand barrels in Table 2.

Note 9.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on natural gasoline, isopentane, unfractionated stream, plant condensate, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, and residual fuel oil. The statistics on the referenced line are aggregated from Table 4 of the Detailed Statistics, except where noted.

- Total Production is the aggregated sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 4.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska*, *Lower 48 States*, and *Total U.S.* are calculated by calling the conservation agency in Alaska for Alaskan crude oil production during the month, estimating crude oil production in the United States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 States.

- Line (5): *SPR Imports* are reported on Survey Form ERA-60.

- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude losses in Table 2.

- Line (14): Natural gas plant liquids (NGPL) *Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.

- Line (15): *NGPL Imports* equals the sum of the im-

ports of natural gasoline and isopentane, unfractionated stream, and plant condensate imports in Table 2.

- Line (16): *NGPL Stock Withdrawal (+) or Addition (-)* is equal to the sum of stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate in Table 2.

- Line (17) equals the sum of lines (14), (15), and (16).

- Line (18): Unfinished oils and gasoline blending components *Stock Withdrawal (+) or Addition (-)* equals stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, for unfinished oils, motor gasoline blending components, and aviation gasoline blending components.

- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.

- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.

- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).

- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.

- Line (25): *Gross Imports of Refined Products* equals imports of LPG plus imports of finished petroleum products in Table 2.

- Line (26): *Exports of Refined Products* equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports of Refined Products* equals the difference between lines (25) and (26).

- Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation

gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stocks Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

- Lines (31) through (35) equal the respective products supplied in Table 2.

- Line (36): *Other Products Supplied* equals the sum of natural gasoline and isopentane, unfractionated stream, plant condensate, aviation gasoline, naphtha < 400 Deg. F for petrochemical feedstock use, other oils > 400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, coke, asphalt, road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39), stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve*, equals ending stocks of crude oil in Table 2. SPR stocks are reported on Form EIA-813.

- Line (43): stocks of *Refined Products*, equals the sum of LPG and finished petroleum product stocks in Table 2.

Note 10: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,420; and 1982 - 1,462.

- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).

- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.
- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.
- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.
- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.
- Stock withdrawal calculations beginning in 1975, 1981, 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Products Supply and Disposition" table in the Summary Statistics, is now reported on a component basis (ethane, propane, normal butane, isobutane and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the Summary Statistics. This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108
- Other Petroleum Products: 1983 - 248

Note 11: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 12: Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting systems.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings throughout 1980. However, estimates of the magnitudes of differences in the major data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. This difference increased to about 4 percent in 1979 and 5 percent in 1980. There are two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference—in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). The following table provides 1979 and 1980 data as published in the *Petroleum Statement Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied. EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years. EIA has recently published a study of the quality of these FHWA data.¹

¹Office of Energy Information Validation, Energy Information Administration, U.S. Department of Energy, *Error Profile of the Motor Fuel Taxation Data used to Establish and Monitor State Emergency Conservation Targets* (Washington, D.C.: December, 1981).

**Finished Motor Gasoline Product Supplied on Old and New Basis
(Thousand Barrels per Day)**

| | 1979 | | | | 1980 | | | |
|---------|-----------------|---------------|-----------------|-------------------|-----------------|---------------|-----------------|-------------------|
| | EIA Reported | API Recast | EIA Recast | FHWA ¹ | EIA Reported | API Recast | EIA Recast | FHWA ¹ |
| Jan | 6,830 | 7,230 | 7,084- 7,246 | 6,984 | 6,323 | 6,789 | 6,630- 6,791 | 6,672 |
| Feb | 7,254 | 7,496 | 7,389- 7,568 | 7,538 | 6,596 | 6,983 | 6,831- 7,003 | 6,830 |
| Mar | 7,229 | 7,414 | 7,301- 7,463 | 7,316 | 6,406 | 6,753 | 6,607- 6,768 | 6,713 |
| Apr | 7,055 | 7,300 | 7,187- 7,353 | 7,375 | 6,800 | 7,014 | 6,886- 7,052 | 6,981 |
| May | 7,213 | 7,429 | 7,313- 7,475 | 7,428 | 6,729 | 6,954 | 6,823- 6,984 | 7,044 |
| Jun | 7,191 | 7,483 | 7,350- 7,516 | 7,441 | 6,657 | 6,966 | 6,824- 6,991 | 7,049 |
| Jul | 6,902 | 7,241 | 7,105- 7,266 | 7,299 | 6,743 | 6,973 | 6,960 | 7,132 |
| Aug | 7,330 | 7,546 | 7,426- 7,588 | 7,619 | 6,648 | 6,841 | 6,828 | 7,090 |
| Sep | 6,881 | 7,122 | 7,016- 7,262 | 7,232 | 6,510 | 6,692 | 6,962 | 6,685 |
| Nov | 6,791 | 7,068 | 6,956- 7,122 | 7,142 | 6,234 | 6,507 | 6,516 | 6,951 |
| Dec | 6,730 | 7,106 | 6,966- 7,127 | 7,064 | 6,632 | 6,948 | 6,936 | 6,993 |
| Average | 7,034 | 7,302 | 7,183- 7,347 | 7,309 | 6,579 | 6,882 | 6,806- 6,889 | 6,925 |

¹FHWA gasoline statistics published in their 1979 Table MF-33G, 08-06-80, contain aviation gasoline as well as motor gasoline. Only motor gasoline data are included in published 1980 data. Consequently, the 1979 data shown above were reduced by subtracting aviation gasoline product supplied quantities as published by EIA in the 1979 *Petroleum Statement Annual*. The 1980 FHWA data published in their 1980 Table MF-33GA, August 1981, did not require this adjustment.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oil produced by a refinery is shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was sub-

tracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981 this adjustment was discontinued because there was not sufficient empirical evidence to support it. The following table presents distillate and residual fuel oil refinery production in 1980 as published (adjusted) and on the same basis as 1981 statistics are now being completed (unadjusted) to permit comparison between 1980 and 1981 data series. Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Adjusted and Unadjusted Refinery Production, and Unadjusted Product Supplied of Distillate and Residual Fuel Oils, by Month for 1979 and 1980 (Thousand Barrels Per Day)

1979

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|-----------------------|-------------------------|-------|-------------------------------|-----------------------|-------------------------|-------|-------------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,043 | 3,108 | 65 | 4,646 | 1,912 | 1,946 | 34 | 3,594 |
| Feb. | 2,888 | 2,945 | 57 | 4,869 | 1,792 | 1,822 | 30 | 3,625 |
| Mar. | 3,019 | 3,026 | 7 | 3,671 | 1,719 | 1,723 | 4 | 3,243 |
| Apr. | 2,945 | 2,978 | 32 | 3,048 | 1,639 | 1,656 | 17 | 2,524 |
| May | 3,066 | 3,093 | 27 | 3,025 | 1,586 | 1,600 | 14 | 2,517 |
| Jun. | 3,153 | 3,187 | 35 | 2,743 | 1,548 | 1,566 | 18 | 2,601 |
| Jul. | 3,305 | 3,344 | 38 | 2,601 | 1,575 | 1,594 | 20 | 2,471 |
| Aug. | 3,321 | 3,359 | 38 | 2,799 | 1,584 | 1,603 | 20 | 2,570 |
| Sep. | 3,354 | 3,306 | - 48 | 2,599 | 1,627 | 1,602 | - 25 | 2,584 |
| Oct. | 3,251 | 3,217 | - 34 | 3,085 | 1,629 | 1,612 | - 17 | 2,523 |
| Nov. | 3,239 | 3,200 | - 39 | 3,208 | 1,736 | 1,716 | - 20 | 2,795 |
| Dec. | 3,221 | 3,238 | 17 | 3,725 | 1,894 | 1,903 | 9 | 3,022 |
| Average | 3,152 | 3,169 | 16 | 3,327 | 1,687 | 1,695 | 8 | 2,834 |

1980

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|-----------------------|-------------------------|-------|-------------------------------|-----------------------|-------------------------|-------|-------------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,013 | 3,093 | 80 | 3,794 | 1,771 | 1,812 | 41 | 3,108 |
| Feb. | 2,766 | 2,888 | 122 | 3,834 | 1,773 | 1,836 | 63 | 3,168 |
| Mar. | 2,557 | 2,690 | 133 | 3,312 | 1,584 | 1,652 | 68 | 2,726 |
| Apr. | 2,460 | 2,554 | 94 | 2,729 | 1,595 | 1,643 | 48 | 2,492 |
| May | 2,474 | 2,610 | 136 | 2,538 | 1,509 | 1,579 | 70 | 2,305 |
| Jun. | 2,646 | 2,721 | 75 | 2,392 | 1,575 | 1,613 | 38 | 2,359 |
| Jul. | 2,689 | 2,783 | 94 | 2,343 | 1,480 | 1,528 | 48 | 2,339 |
| Aug. | 2,461 | 2,582 | 121 | 2,258 | 1,444 | 1,506 | 62 | 2,348 |
| Sep. | 2,686 | 2,726 | 40 | 2,627 | 1,495 | 1,516 | 21 | 2,380 |
| Oct. | 2,589 | 2,650 | 61 | 2,981 | 1,512 | 1,543 | 31 | 2,258 |
| Nov. | 2,703 | 2,823 | 120 | 3,069 | 1,579 | 1,641 | 62 | 2,513 |
| Dec. | 2,891 | 3,052 | 161 | 3,776 | 1,660 | 1,743 | 83 | 2,762 |
| Average | 2,661 | 2,764 | 103 | 2,969 | 1,580 | 1,634 | 54 | 2,562 |

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids sec-

tion, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 13: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquid (NGL) supply data, moving from a nine-product slate to a five-component slate that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analyses of the products they imported during the first six months of 1983. The percentages shown in Exhibit 1 are derived from the weighted averages of the data provided by the importers.

EXHIBIT 1. ALGORITHMS FOR ALLOCATING NGL IMPORTS

| PRODUCT SLATE | Ethane | Propane | Normal butane | Isobutane | Pentanes Plus |
|---|--------|---------|---------------|-----------|---------------|
| Natural Gasoline & Isopentane (EIA-814) | | | | | 100% |
| Plant Condensate (EIA-814) | | | | | 100% |
| Ethane (IM-145) | 100% | | | | |
| Butane (IM-145) | | | 60% | 40% | |
| Butane-Propane Mixtures (IM-145) | | 40% | 35% | 20% | 5% |
| Ethane-Propane Mixtures (IM-145) | 80% | 20% | | | |

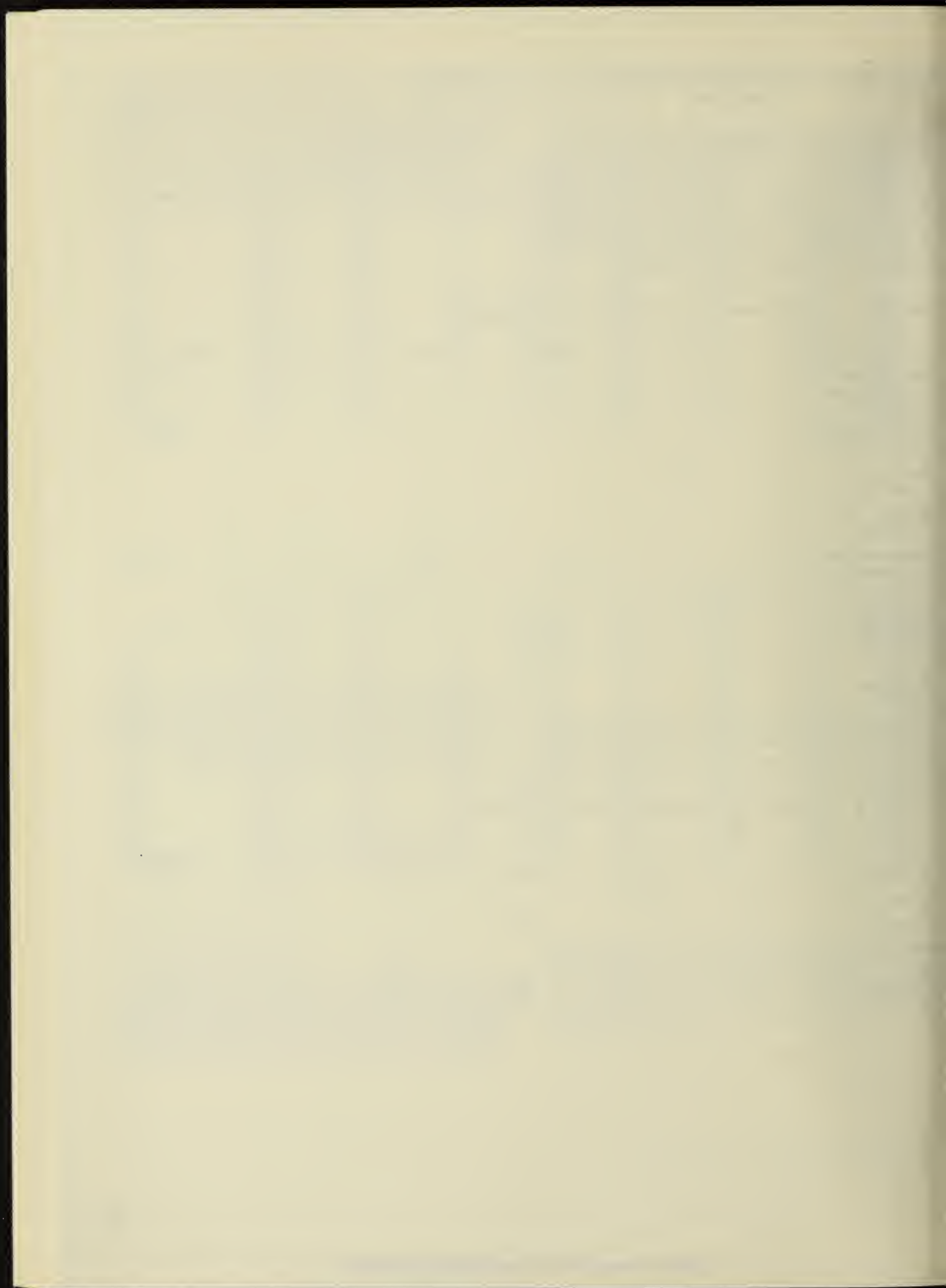
Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analyses of the products they

exported during 1983. The percentages shown in Exhibit 2 are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by PAD of exportation, due to the wide variation of components in the mixed streams.

EXHIBIT 2. ALGORITHMS FOR ALLOCATING NGL EXPORTS

| PRODUCT | P.A.D. | Ethane | Propane | EIA Component Slate Normal Butane | Isobutane | Pentanes Plus |
|---------------|----------|--------|---------|--------------------------------------|-----------|---------------|
| Ethane | All | 100% | | | | |
| Propane | All | | 100% | | | |
| Butane | All | | | 100% | | |
| Mixed Streams | I, IV, V | | 40% | 60% | | |
| | II | 30% | 25% | 15% | 15% | |
| | III | | 80% | 20% | | |



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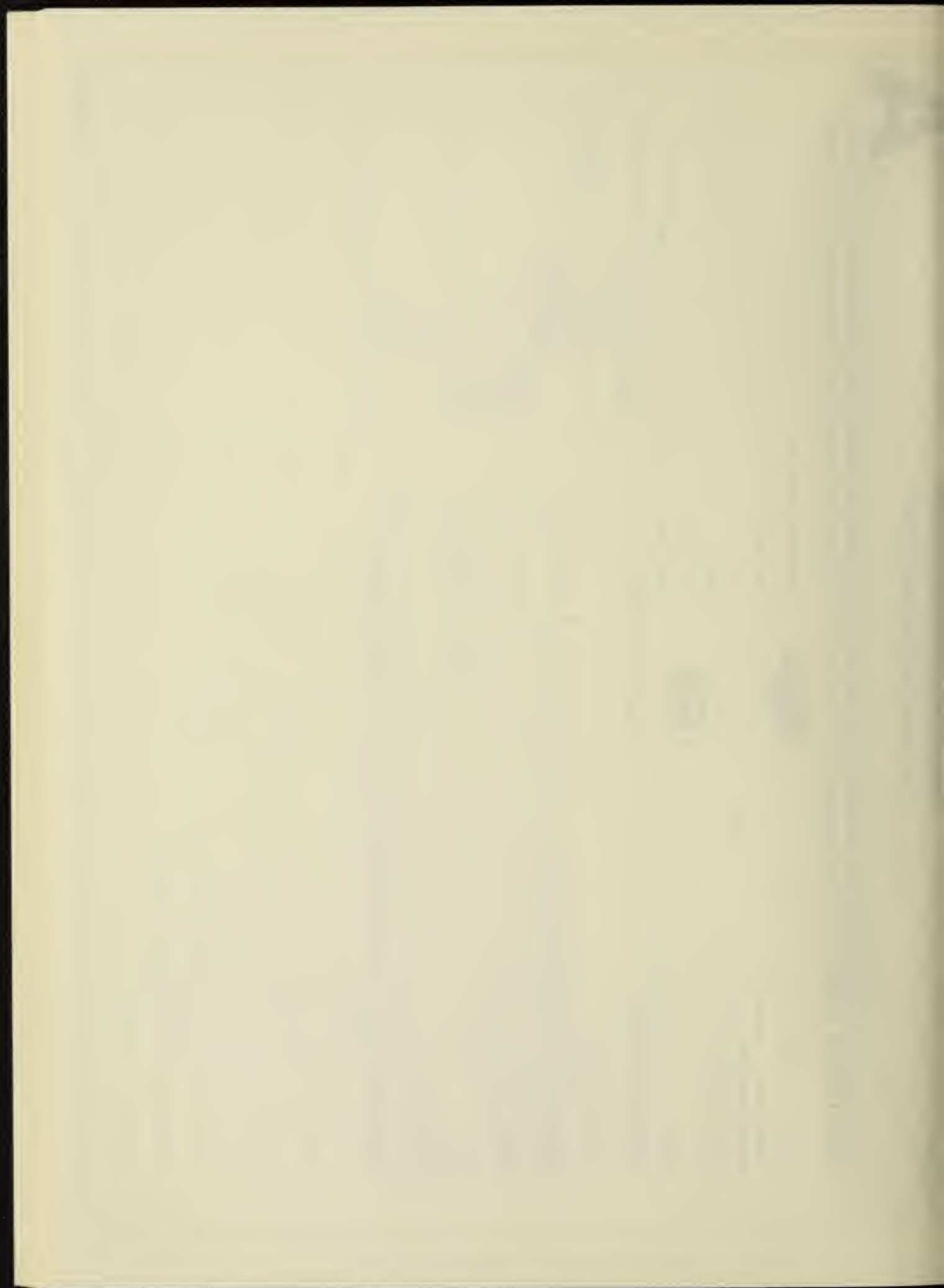
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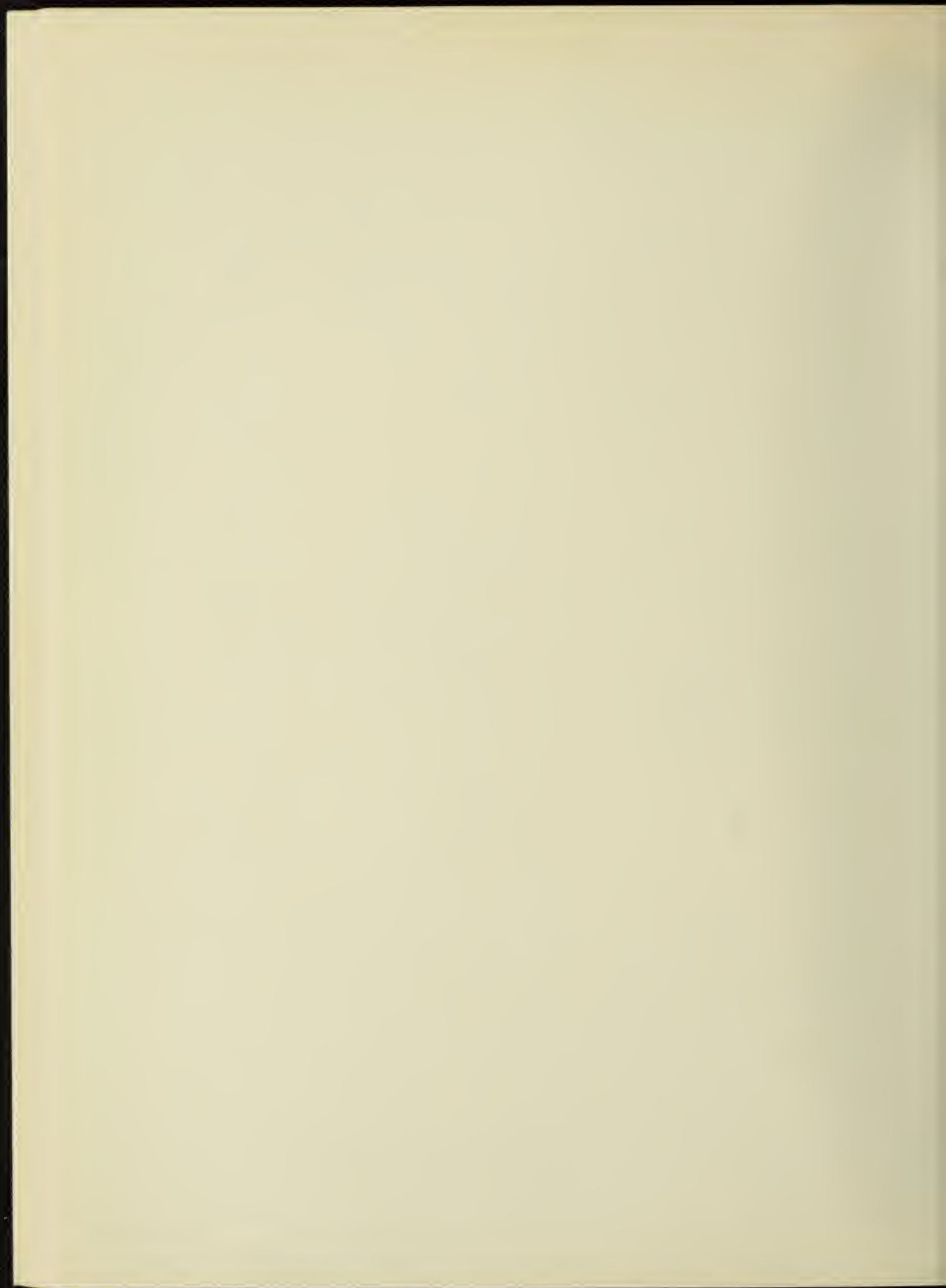
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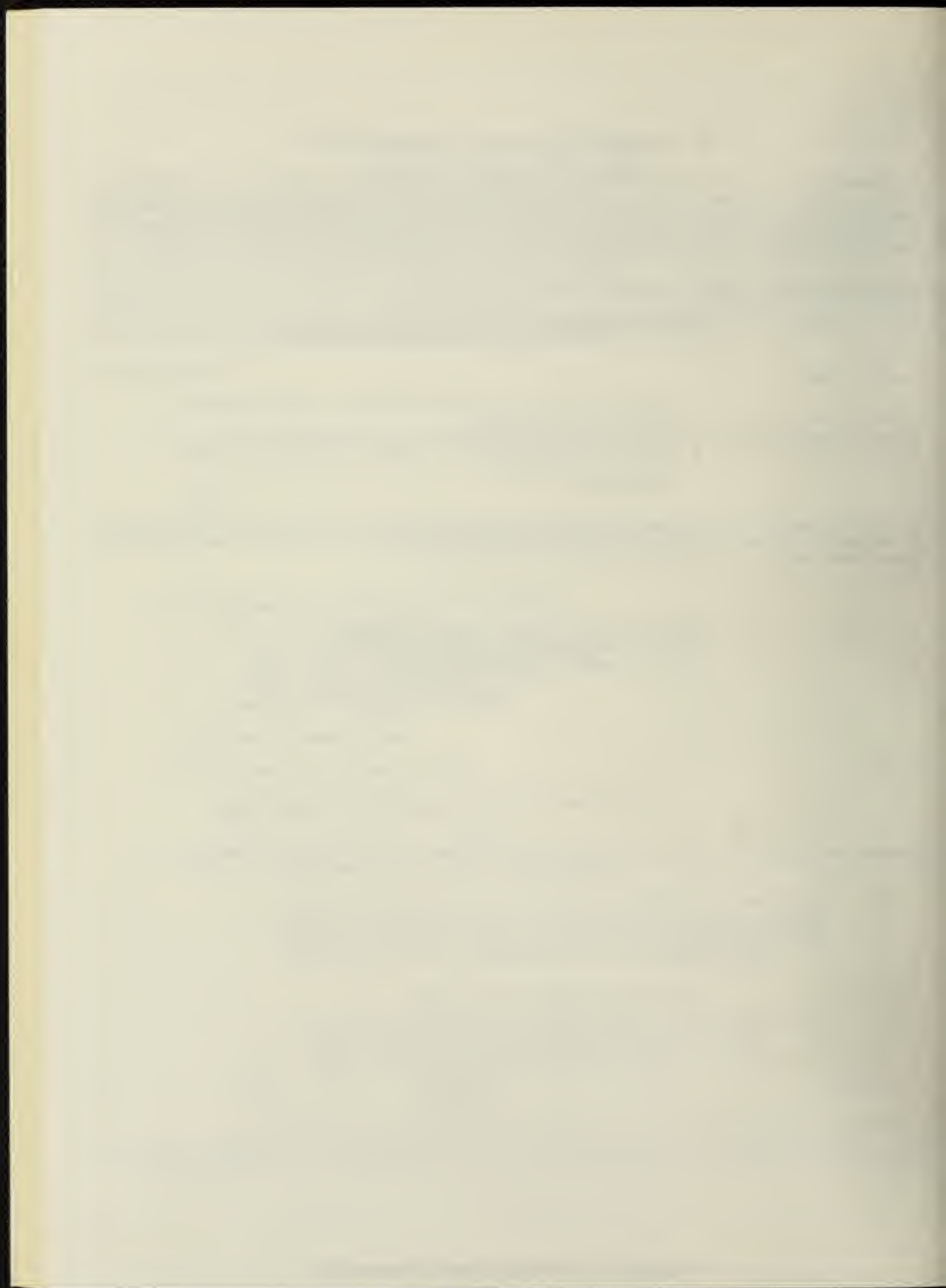
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Petroleum Supply Summary

| Average Volume for Period (Million Barrels Per Day) | September | | | Cumulative January Through September | | |
|---|-----------|-------|-------------|---|------|-------------|
| | 1984 | 1983 | % Change | 1984 | 1983 | % Change |
| Products Supplied | | | | | | |
| Motor Gasoline | 6.8 | 6.7 | 1.7 | 6.7 | 6.6 | 1.8 |
| Distillate Fuel Oil | 2.7 | 2.6 | 6.7 | 2.9 | 2.6 | 10.1 |
| Residual Fuel Oil | 1.3 | 1.4 | - 7.0 | 1.4 | 1.4 | - 0.1 |
| Other Products | 5.0 | 4.9 | 3.9 | 4.8 | 4.4 | 8.7 |
| Total | 15.9 | 15.5 | 2.4 | 15.8 | 15.1 | 5.1 |
| Crude Inputs to Refineries | 12.5 | 12.5 | - 0.1 | 12.1 | 11.7 | 3.6 |
| Production | | | | | | |
| Crude Oil, Natural Gas Liquids, and Other ¹ | 10.5 | 10.4 | 0.1 | 10.4 | 10.3 | 1.0 |
| Imports | | | | | | |
| Crude Oil ² | 3.1 | 3.9 | - 20.4 | 3.2 | 3.1 | 3.0 |
| SPR | 0.1 | 0.3 | - 79.0 | 0.2 | 0.2 | - 22.5 |
| Products | 1.8 | 1.9 | - 6.8 | 2.0 | 1.7 | 18.0 |
| Total | 5.0 | 6.1 | - 19.1 | 5.4 | 5.0 | 6.7 |
| Exports | | | | | | |
| Crude Oil | 0.2 | 0.2 | 7.3 | 0.2 | 0.2 | 7.5 |
| Products | 0.5 | 0.5 | 6.9 | 0.5 | 0.6 | - 14.9 |
| Total | 0.7 | 0.7 | 7.0 | 0.7 | 0.8 | - 10.1 |
| Stock Withdrawal | | | | | | |
| Crude Oil ² | 0.4 | 0.1 | — | 0.1 | (s) | — |
| Products | - 0.2 | - 0.6 | — | (s) | 0.1 | — |
| Stocks at End of Period (Million Barrels) | | | | | | |
| Crude Oil | | | | | | |
| SPR | 432 | 361 | 19.5 | | | |
| Other | 331 | 347 | - 4.6 | | | |
| Total | 762 | 708 | 7.7 | | | |
| Products | | | | | | |
| Motor Gasoline ³ | 229 | 229 | (s) | | | |
| Distillate Fuel Oil | 142 | 154 | - 7.5 | | | |
| Residual Fuel Oil | 44 | 50 | - 10.5 | | | |
| Other | 330 | 345 | - 4.4 | | | |
| Total | 746 | 778 | - 4.1 | | | |
| Total Crude Oil and Products | 1,508 | 1,485 | 1.5 | | | |

1 Includes alcohol and other hydrocarbon liquids.

2 Excludes Strategic Petroleum Reserve (SPR).

3 Including blending components.

(s) = Less than 0.05 million barrels per day or less than 0.05 percent.

NOTE: Percent changes are based on unrounded values. September 1984 data are estimates based on weekly data, except for exports, NGL production, other hydrocarbons, and alcohol which are August 1984 monthly values. Totals may not be equal to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Monthly*, August 1984.

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| 1947 | 19 | 20 | 21 |
| 1948 | 22 | 23 | 24 |
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| 1955 | 43 | 44 | 45 |
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| 2015 | 223 | 224 | 225 |
| 2016 | 226 | 227 | 228 |
| 2017 | 229 | 230 | 231 |
| 2018 | 232 | 233 | 234 |
| 2019 | 235 | 236 | 237 |
| 2020 | 238 | 239 | 240 |
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| 2026 | 256 | 257 | 258 |
| 2027 | 259 | 260 | 261 |
| 2028 | 262 | 263 | 264 |
| 2029 | 265 | 266 | 267 |
| 2030 | 268 | 269 | 270 |
| 2031 | 271 | 272 | 273 |
| 2032 | 274 | 275 | 276 |
| 2033 | 277 | 278 | 279 |
| 2034 | 280 | 281 | 282 |
| 2035 | 283 | 284 | 285 |
| 2036 | 286 | 287 | 288 |
| 2037 | 289 | 290 | 291 |
| 2038 | 292 | 293 | 294 |
| 2039 | 295 | 296 | 297 |
| 2040 | 298 | 299 | 300 |
| 2041 | 301 | 302 | 303 |
| 2042 | 304 | 305 | 306 |
| 2043 | 307 | 308 | 309 |
| 2044 | 310 | 311 | 312 |
| 2045 | 313 | 314 | 315 |
| 2046 | 316 | 317 | 318 |
| 2047 | 319 | 320 | 321 |
| 2048 | 322 | 323 | 324 |
| 2049 | 325 | 326 | 327 |
| 2050 | 328 | 329 | 330 |
| 2051 | 331 | 332 | 333 |
| 2052 | 334 | 335 | 336 |
| 2053 | 337 | 338 | 339 |
| 2054 | 340 | 341 | 342 |
| 2055 | 343 | 344 | 345 |
| 2056 | 346 | 347 | 348 |
| 2057 | 349 | 350 | 351 |
| 2058 | 352 | 353 | 354 |
| 2059 | 355 | 356 | 357 |
| 2060 | 358 | 359 | 360 |
| 2061 | 361 | 362 | 363 |
| 2062 | 364 | 365 | 366 |
| 2063 | 367 | 368 | 369 |
| 2064 | 370 | 371 | 372 |
| 2065 | 373 | 374 | 375 |
| 2066 | 376 | 377 | 378 |
| 2067 | 379 | 380 | 381 |
| 2068 | 382 | 383 | 384 |
| 2069 | 385 | 386 | 387 |
| 2070 | 388 | 389 | 390 |
| 2071 | 391 | 392 | 393 |
| 2072 | 394 | 395 | 396 |
| 2073 | 397 | 398 | 399 |
| 2074 | 400 | 401 | 402 |
| 2075 | 403 | 404 | 405 |
| 2076 | 406 | 407 | 408 |
| 2077 | 409 | 410 | 411 |
| 2078 | 412 | 413 | 414 |
| 2079 | 415 | 416 | 417 |
| 2080 | 418 | 419 | 420 |
| 2081 | 421 | 422 | 423 |
| 2082 | 424 | 425 | 426 |
| 2083 | 427 | 428 | 429 |
| 2084 | 430 | 431 | 432 |
| 2085 | 433 | 434 | 435 |
| 2086 | 436 | 437 | 438 |
| 2087 | 439 | 440 | 441 |
| 2088 | 442 | 443 | 444 |
| 2089 | 445 | 446 | 447 |
| 2090 | 448 | 449 | 450 |
| 2091 | 451 | 452 | 453 |
| 2092 | 454 | 455 | 456 |
| 2093 | 457 | 458 | 459 |
| 2094 | 460 | 461 | 462 |
| 2095 | 463 | 464 | 465 |
| 2096 | 466 | 467 | 468 |
| 2097 | 469 | 470 | 471 |
| 2098 | 472 | 473 | 474 |
| 2099 | 475 | 476 | 477 |
| 2100 | 478 | 479 | 480 |
| 2101 | 481 | 482 | 483 |
| 2102 | 484 | 485 | 486 |
| 2103 | 487 | 488 | 489 |
| 2104 | 490 | 491 | 492 |
| 2105 | 493 | 494 | 495 |
| 2106 | 496 | 497 | 498 |
| 2107 | 499 | 500 | 501 |
| 2108 | 502 | 503 | 504 |
| 2109 | 505 | 506 | 507 |
| 2110 | 508 | 509 | 510 |
| 2111 | 511 | 512 | 513 |
| 2112 | 514 | 515 | 516 |
| 2113 | 517 | 518 | 519 |
| 2114 | 520 | 521 | 522 |
| 2115 | 523 | 524 | 525 |
| 2116 | 526 | 527 | 528 |
| 2117 | 529 | 530 | 531 |
| 2118 | 532 | 533 | 534 |
| 2119 | 535 | 536 | 537 |
| 2120 | 538 | 539 | 540 |
| 2121 | 541 | 542 | 543 |
| 2122 | 544 | 545 | 546 |
| 2123 | 547 | 548 | 549 |
| 2124 | 550 | 551 | 552 |
| 2125 | 553 | 554 | 555 |
| 2126 | 556 | 557 | 558 |
| 2127 | 559 | 560 | 561 |
| 2128 | 562 | 563 | 564 |
| 2129 | 565 | 566 | 567 |
| 2130 | 568 | 569 | 570 |
| 2131 | 571 | 572 | 573 |
| 2132 | 574 | 575 | 576 |
| 2133 | 577 | 578 | 579 |
| 2134 | 580 | 581 | 582 |
| 2135 | 583 | 584 | 585 |
| 2136 | 586 | 587 | 588 |
| 2137 | 589 | 590 | 591 |
| 2138 | 592 | 593 | 594 |
| 2139 | 595 | 596 | 597 |
| 2140 | 598 | 599 | 600 |
| 2141 | 601 | 602 | 603 |
| 2142 | 604 | 605 | 606 |
| 2143 | 607 | 608 | 609 |
| 2144 | 610 | 611 | 612 |
| 2145 | 613 | 614 | 615 |
| 2146 | 616 | 617 | 618 |
| 2147 | 619 | 620 | 621 |
| 2148 | 622 | 623 | 624 |
| 2149 | 625 | 626 | 627 |
| 2150 | 628 | 629 | 630 |
| 2151 | 631 | 632 | 633 |
| 2152 | 634 | 635 | 636 |
| 2153 | 637 | 638 | 639 |
| 2154 | 640 | 641 | 642 |
| 2155 | 643 | 644 | 645 |
| 2156 | 646 | 647 | 648 |
| 2157 | 649 | 650 | 651 |
| 2158 | 652 | 653 | 654 |
| 2159 | 655 | 656 | 657 |
| 2160 | 658 | 659 | 660 |
| 2161 | 661 | 662 | 663 |
| 2162 | 664 | 665 | 666 |
| 2163 | 667 | 668 | 669 |
| 2164 | 670 | 671 | 672 |
| 2165 | 673 | 674 | 675 |
| 2166 | 676 | 677 | 678 |
| 2167 | 679 | 680 | 681 |
| 2168 | 682 | 683 | 684 |
| 2169 | 685 | 686 | 687 |
| 2170 | 688 | 689 | 690 |
| 2171 | 691 | 692 | 693 |
| 2172 | 694 | 695 | 696 |
| 2173 | 697 | 698 | 699 |
| 2174 | 700 | 701 | 702 |
| 2175 | 703 | 704 | 705 |
| 2176 | 706 | 707 | 708 |
| 2177 | 709 | 710 | 711 |
| 2178 | 712 | 713 | 714 |
| 2179 | 715 | 716 | 717 |
| 2180 | 718 | 719 | 720 |
| 2181 | 721 | 722 | 723 |
| 2182 | 724 | 725 | 726 |
| 2183 | 727 | 728 | 729 |
| 2184 | 730 | 731 | 732 |
| 2185 | 733 | 734 | 735 |
| 2186 | 736 | 737 | 738 |
| 2187 | 739 | 740 | 741 |
| 2188 | 742 | 743 | 744 |
| 2189 | 745 | 746 | 747 |
| 2190 | 748 | 749 | 750 |
| 2191 | 751 | 752 | 753 |
| 2192 | 754 | 755 | 756 |
| 2193 | 757 | 758 | 759 |
| 2194 | 760 | 761 | 762 |
| 2195 | 763 | 764 | 765 |
| 2196 | 766 | 767 | 768 |
| 2197 | 769 | 770 | 771 |
| 2198 | 772 | 773 | 774 |
| 2199 | 775 | 776 | 777 |
| 2200 | 778 | 779 | 780 |
| 2201 | 781 | 782 | 783 |
| 2202 | 784 | 785 | 786 |
| 2203 | 787 | 788 | 789 |
| 2204 | 790 | 791 | 792 |
| 2205 | 793 | 794 | 795 |
| 2206 | 796 | 797 | 798 |
| 2207 | 799 | 800 | 801 |
| 2208 | 802 | 803 | 804 |
| 2209 | 805 | 806 | 807 |
| 2210 | 808 | 809 | 810 |
| 2211 | 811 | 812 | 813 |
| 2212 | 814 | 815 | 816 |
| 2213 | 817 | 818 | 819 |
| 2214 | 820 | 821 | 822 |
| 2215 | 823 | 824 | 825 |
| 2216 | 826 | 827 | 828 |
| 2217 | 829 | 830 | 831 |
| 2218 | 832 | 833 | 834 |
| 2219 | 835 | 836 | 837 |
| 2220 | 838 | 839 | 840 |
| 2221 | 841 | 842 | 843 |
| 2222 | 844 | 845 | 846 |
| 2223 | 847 | 848 | 849 |
| 2224 | 850 | 851 | 852 |
| 2225 | 853 | 854 | 855 |
| 2226 | 856 | 857 | 858 |
| 2227 | 859 | 860 | 861 |
| 2228 | 862 | 863 | 864 |
| 2229 | 865 | 866 | 867 |
| 2230 | 868 | 869 | 870 |
| 2231 | 871 | 872 | 873 |
| 2232 | 874 | 875 | 876 |
| 2233 | 877 | 878 | 879 |
| 2234 | 880 | 881 | 882 |
| 2235 | 883 | 884 | 885 |
| 2236 | 886 | 887 | 888 |
| 2237 | 889 | 890 | 891 |
| 2238 | 892 | 893 | 894 |
| 2239 | 895 | 896 | 897 |
| 2240 | 898 | 899 | 900 |
| 2241 | 901 | 902 | 903 |
| 2242 | 904 | 905 | 906 |
| 2243 | 907 | 908 | 909 |
| 2244 | 910 | 911 | 912 |
| 2245 | 913 | 914 | 915 |
| 2246 | 916 | 917 | 918 |
| 2247 | 919 | 920 | 921 |
| 2248 | 922 | 923 | 924 |
| 2249 | 925 | 926 | 927 |
| 2250 | 928 | 929 | 930 |
| 2251 | 931 | 932 | 933 |
| 2252 | 934 | 935 | 936 |
| 2253 | 937 | 938 | 939 |
| 2254 | 940 | 941 | 942 |
| 2255 | 943 | 944 | 945 |
| 2256 | 946 | 947 | 948 |
| 2257 | 949 | 950 | 951 |
| 2258 | 952 | 953 | 954 |
| 2259 | 955 | 956 | 957 |
| 2260 | 958 | 959 | 960 |
| 2261 | 961 | 962 | 963 |
| 2262 | 964 | 965 | 966 |
| 2263 | 967 | 968 | 969 |
| 2264 | 970 | 971 | 972 |
| 2265 | 973 | 974 | 975 |
| 2266 | 976 | 977 | 978 |
| 2267 | 979 | 980 | 981 |
| 2268 | 982 | 983 | 984 |
| 2269 | 985 | 986 | 987 |
| 2270 | 988 | 989 | 990 |
| 2271 | 991 | 992 | 993 |
| 2272 | 994 | 995 | 996 |
| 2273 | 997 | 998 | 999 |
| 2274 | 1000 | 1001 | 1002 |
| 2275 | 1003 | 1004 | 1 |

Recent Trends in Primary Petroleum Storage Capacity

A common perception of inventory is of product being stored pending sale or final consumption. The Energy Information Administration (EIA), however, reports petroleum inventory levels that count crude oil, refinery feedstocks and blendstocks, and finished product at select points along the entire production and primary distribution chain. This article summarizes available information on storage capacity at these points based on a recent EIA evaluation of primary petroleum distribution system capabilities for holding and moving product. That review included data from the Bureau of the Census and the National Petroleum Council.

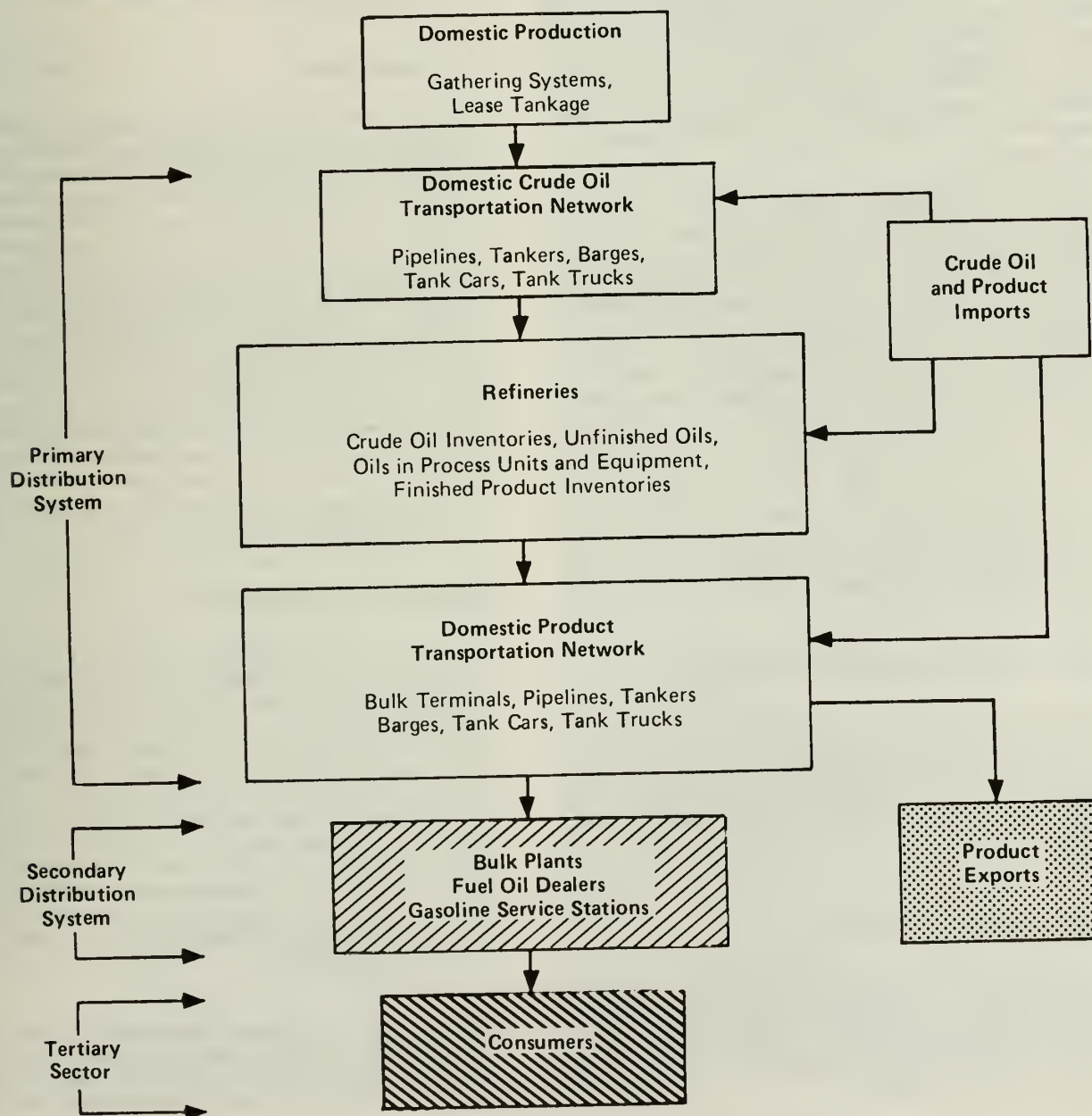
Total private capacity to store crude oil increased between 1977 and 1983, while that for products declined. Changes in the location and form of petroleum storage

reflect an effort by the industry to increase marketing flexibility. For example, most of the increased capacity to store crude oil was at refineries. Similarly, product storage capacity at refineries also increased, offset by significant declines at bulk terminals—that is, at locations closer to the point of consumption.

The Petroleum Distribution System

Storage is integral to the operation of the petroleum distribution system. This system begins with the production and storage of crude oil in the field and ends with the storage and consumption of products by end users (see Figure 1). Throughout the system, scheduling is one of the most important reasons for having

Figure 1. The Petroleum Distribution System



storage, whether to smooth out crude oil shipments, maintain refinery processing levels, transport product to distributors and end users, or support steady end-use consumption levels.

Primary distribution in the domestic petroleum industry includes activities related to the production, transportation, and refining of crude oil; the blending of products; and the transportation of finished products to large distribution centers by pipeline, ship, or barge.

The secondary distribution system moves products from delivery terminals in the primary distribution system to retail outlets or directly to end-use consumers. Secondary storage in this system represents a buffer between the primary supply and the changing demands of consumers. Secondary storage facilities include storage at bulk plants,¹ fuel oil dealerships, and gasoline/diesel retail outlets.

Tertiary storage consists of products held by consumers. For example, households and businesses that heat with distillate fuel oil will have their own on-site storage tanks. Generally, products held in tertiary storage cannot be redirected to other end users as market conditions dictate. While tertiary inventory levels at electric utilities are reported to the EIA, they are generally not readily available for other energy consuming sectors of the economy.

Changes in secondary or tertiary storage capacity affect storage requirements of the primary distribution system. Efforts to build secondary stocks, for example, will be reflected immediately in the drawdown of primary stocks. The extent of the secondary distribution network and the level of storage capacity maintained by consumers of a particular fuel indicate the potential for increased claims on primary inventories of that fuel. A recent study by the National Petroleum Council (NPC, 1984) indicates that total secondary storage capacity and inventories for refined products in this country at the end of March 1983 were 153 million barrels and 48 million barrels, respectively. The same study reported tertiary storage capacity and inventory estimates of 642 million barrels and 269 million barrels, respectively. NPC estimates of primary storage capacity are discussed on pages xvi and xvii.

Primary Petroleum Distribution

Virtually all crude oil storage resides within the primary distribution system. Significant holdings of crude oil are found on the lease (where the oil is produced), within the crude oil transportation system, and at refineries. Primary storage capacity for refined products is maintained at refineries, in pipeline networks, and at bulk terminals.

Domestic Crude Oil Production

The primary distribution system begins with the production of crude oil in the field and its delivery to refineries. Because crude oil is produced in the field on a continuous basis, but is often transported in batches, storage is needed to accommodate the efficient scheduling of crude oil movements.

To accommodate differences between the rate at which crude oil is produced and the rate at which it can be removed, "lease" storage is maintained in the form of tanks on or near the production lease site. This lease storage also supports the basic measurement, assaying, purification, and gas separation operations that are part of the crude oil production process.

From onshore lease tanks, crude oil is usually transported in segregated batches by small pipeline gathering systems, tank trucks, or tank cars to a trunk pipeline tank farm (a site with several storage tanks).

Crude oil is also accumulated and stored at offshore production facilities. Oil from offshore producing wells is commonly brought by sub-sea gathering lines to a central production platform before shipment through larger trunk pipelines to coastal storage facilities. Additional offshore storage is needed if the oil is to be transported ashore by ship, but, to date, pipelines are the predominant transportation mode for offshore production in this country.

Petroleum Imports

Crude oil and finished product also enter the primary distribution system as imports from foreign countries. For 1983, non-Strategic Petroleum Reserve imports of crude oil averaged 26.5 percent of total refinery crude oil inputs. Imports enter primarily at marine terminals, which may be connected directly to a refinery or connected to a pipeline for distribution farther inland. Storage is needed at marine terminals to accommodate the unloading of large batches from tankers. Additional offshore storage to support transshipment activities (the transfer of oil to smaller tankers from larger ones that cannot be docked in port) may be required. Some imports enter the system overland by trunk pipeline and by truck, mainly from Canada, which supplied about 8 percent of the Nation's total crude oil imports in 1983. Marine terminal storage associated with petroleum product imports is counted with bulk terminals, discussed below (see page xv).

Strategic Petroleum Reserve

A third potential source of crude oil for the Nation's refineries is the U.S. Strategic Petroleum Reserve (SPR). The SPR began storing crude oil in 1977, and by the end of 1983 its 379 million barrels accounted for well over half of the total domestic holdings of crude oil. By the end of June 1984, SPR stocks were at 414 million barrels—enough to offset current non-SPR crude oil import levels for almost 4 months. Most of the SPR crude oil is stored in salt domes at five sites along the Texas and Louisiana Gulf Coasts. There is further storage at a marine terminal on the Mississippi River, and construction is proceeding at existing sites and at one new site in Texas. The total fill presently planned for the reserve is 750 million barrels.

¹Bulk plants, or stations, are distinguished from bulk terminals in EIA and Census Bureau reporting as storage facilities that have a total storage capacity of less than 50,000 barrels and do not receive petroleum products by barge, ship, or pipeline.

Crude Oil Transportation

The principal mode for moving domestic oil production to refineries is the pipeline. However, during 1983, about 31 percent of the total crude oil received at the Nation's refineries was transported to the refineries via barge or tanker. Water transportation, is also significant for finished product.

Main trunk pipelines carry crude oil to distribution hubs for further shipment or to refining centers directly. Tank farm storage is maintained along the pipeline and at the pipeline connection points to facilitate continuous operation of the pipeline in transporting crude oil in segregated batches between the producing and refining regions. Storage is also used as a temporary outlet for the oil during cleaning or other pipeline maintenance operations. Crude oil may be transported from major terminuses to refineries by smaller pipelines or, less frequently, by other transportation modes.

Petroleum Refining

The next point in the primary distribution system where storage is needed is at refineries. Storage supports the efficient operation of refineries as well as the efficient operation of crude oil and refined product transportation systems.

Whether a refinery is in a continuous operation mode or shut down for maintenance, it still receives crude oil on a batch basis. Refineries need to maintain storage capacity so that the crude oil transportation system can operate efficiently. On the input side, they require enough capacity to receive large shipments of crude oil—in a single day a tanker may offload up to a 10-day supply of oil to a refinery.

Refineries also require crude oil, unfinished oil, and finished product tankage to ensure efficient scheduling of refinery operations. It is necessary to have adequate volumes of crude oil on hand to sustain refining operations in the event of delivery lags or more serious supply disruptions. Similarly, refineries maintain finished product stocks as a buffer to support product sales during scheduled maintenance shutdowns or in the event of unanticipated supply disruptions or production delays. In addition, the operation of processing units requires a certain amount of crude oil and unfinished product fill. Although not normally considered as storage capacity, this product fill is counted as inventory, and refineries may, in effect, hold more or less product in process by utilizing varying degrees of their throughput capacity.

Finally, refineries need storage so that they can accumulate finished output until either minimum shipment volumes are amassed or sufficient product demand materializes. In particular, the ability to store products in the offseason (e.g., gasoline storage in the winter and spring, distillate in the summer and fall) helps refineries maintain a steadier level of operation year round, thereby lowering operating costs.

Product Transportation

Refined product is distributed from refinery centers by pipeline, tanker, barge, rail, and truck. About 1.2 billion barrels of product were transported between Petroleum Administration for Defense (PAD) districts by pipeline in 1983, representing 22 percent of the total product supplied in that year. (This excludes interim shipments to other than ultimate users.) At the same time, another 600 million barrels were transported between PAD districts by tanker and barge, accounting for 11 percent of product supplied. (Most domestic product is consumed in the region where it is produced and, thus, is not counted in these estimates.)

Pipelines operate most efficiently when they are full and the product is moving. To maintain a continuous flow (i.e., to avoid holding up movement while waiting on a batch delivery), storage is needed at the beginning, along the way at transfer points, and at the end of the pipeline system. Tank farms exist so that product in transit may be sidetracked for sorting, measuring, re-routing, or simply for holding temporarily during repairs to the line or pump station. Wherever pipeline sizes change, "break out" tankage is usually needed.

Product pipelines operate by moving product in segregated batches. Between each batch is an "interface," and the mixture of batch types on either side of the interface is called "transmix." Percentage loss of clean product due to transmix is minimized by handling large batches. In practice, the minimum batch size is around 25,000 barrels (Office of Competition, 1980). Thus, a refinery planning to ship product must maintain tankage for the given product so it can accumulate a sufficiently large batch. (The ability to move product as part of a common stream operation—where several companies' shipments of the same or similar quality product are mixed together in one batch—can lower the minimum shipment volume required for each firm.)

Bulk Terminals

Whether products are transported from the refinery to their destination by pipeline, tanker, or barge, they are usually delivered to some central distribution point, or bulk terminal.² Bulk terminals act as warehouses for the petroleum industry, supplying the secondary distribution system and also some large utility and industrial consumers directly.

Bulk terminals hold stocks for all the reasons a company would hold inventory of any product. Most important are the transaction uses of stocks—to accommodate short-term or seasonal fluctuations in consumer demand while maintaining a steady production level. In the petroleum industry, the big peaks in product demand are for distillate fuel in the winter and motor gasoline in the summer. During off-season periods, bulk terminals accumulate stocks to be used in peak

²A bulk terminal is defined in EIA reporting systems as a non-consumer facility used for storage and/or marketing of petroleum products that has total storage capacity of 50,000 barrels or more, or receives petroleum products by barge, tanker, or pipeline.

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season. Additional storage supports the operating requirements of the terminal—product is tied up in tank bottoms and is used to maintain pipeline fill.

Crude Oil Storage Trends

Recent changes in storage capacity associated with various locations within the primary distribution system are summarized in Table 1. In addition, capacity estimates based on Federal data sources for end-of-year 1977 and 1983 are compared with National Petroleum Council estimates for September 1978 and March 1983. In 1977—the most recent year for which comprehensive Federal data on crude oil and refined product storage capacity are available—domestic capacity to store crude oil was estimated to be nearly 474 million barrels. This estimate represents an aggregation of data from several sources, identified in the footnotes to Table 1.

Based on EIA and Census data, total end-of-1983 crude oil storage capacity is estimated to have grown to 508 million barrels. National capacity to store crude oil has been further augmented by the development of the Strategic Petroleum Reserve, which contained only 7.5 million barrels of crude oil at the end of 1977 and now stands at over 400 million barrels.

In comparison, the National Petroleum Council estimates of total capacity to store crude oil were higher than the estimates based on public sources in both years, by 80 to 90 million barrels.³ The NPC estimates, however, reflect the same growth in storage capacity between 1978 and 1983. For consistency with the estimates from the public sources, NPC data shown on Table 1 reflect the summation of NPC estimates of shell capacity—including tank tops and safety allowances—

and unavailable storage outside tankage (e.g., pipeline fill). Not counted in the EIA/Census numbers, the NPC estimates include capacity at crude oil bulk terminals.

While the level of crude oil inventories changed little between 1977 and 1983, capacity estimates based on public sources indicate that storage capacity utilization (inventories as a percent of capacity) decreased over this period, from 72 percent to 68 percent. Only storage capacity in pipelines⁴ and tank farms declined over these years, as movements of crude oil to the Nation's inland refineries fell off after crude oil decontrol in early 1981. At that time the operations of many smaller, independent refiners in the central United States had been adversely affected by the end of petroleum allocations and the loss of benefits from the Small Refiner Bias of the Entitlements Program. Also, the 1981-1983 economic recession fell especially hard on the manufacturing

³The basis for the large discrepancy between the EIA/Census and NPC estimates of capacity is not entirely clear. The NPC estimates reflect small additional volumes of crude oil and product in process at refineries and in transit (other than North Alaskan oil shipments and pipeline fill) as well as idle storage capacity. Also, the NPC crude oil capacity estimates include oil stored in bulk terminals, and Census estimates do not. A rigorous comparison of EIA/Census and NPC estimates by company or location of storage would be required to identify further reasons for the observed differences. However, the possibility of some double counting by joint owners of storage capacity in the NPC sample cannot be totally discounted. There is also a possibility that Census may have underestimated storage capacity because of the manner in which respondents select themselves into Standard Industrial Classification (SIC) categories.

⁴Total storage capacity in pipelines may be approximated as the sum of pipeline fill, or what is in the pipeline at a given time, plus the capacity of tank farms along the system.

**Table 1. Crude Oil Storage Capacity and Inventories, 1977/1978 and 1983 (Excluding SPR)
(Million Barrels)**

| | 1977/1978 | 1983 |
|---|-------------------|-------------------|
| NPC Estimate of Total System Capacity (Excl. SPR) ^a | 553.9 | 601.5 |
| Census/EIA Capacity Data (Excl. SPR) | | |
| Lease Site | 67.2 ^b | 75.1 ^c |
| Pipelines & Tank Farms ^d | 219.9 | 193.7 |
| Alaskan Oil in Transit | ^e | 25.0 |
| Refineries ^f | 186.6 | 214.2 |
| Total Private Capacity | 473.7 | 508.0 |
| Total Private Stocks (Excl. SPR) ^g | 340.2 | 343.8 |

^aNational Petroleum Council. *Petroleum Storage and Transportation Capacities, 1979* (estimate of capacity as of 9/30/78). *Petroleum Inventories and Storage Capacity, 1984* (estimate of capacity as of 3/31/83).

^bBureau of the Census, "Oil and Gas Field Operations," 1977 *Census of Mineral Industries*, December 1980.

^cEstimate from 1983 crude oil and lease condensate production as reported by EIA (see footnote 'g'), based on 1977 Census capacity/production ratio.

^dTotal stocks at pipelines and tank farms at end of year (including pipeline fill). 1977 *Petroleum Statement, Annual*, Energy Data Report, DOE/EIA-0108/77 and *Petroleum Supply Annual, 1983*, DOE/EIA-0340(83)/1.

^eA small volume of Alaskan oil in transit is included in "Refineries" for 1977.

^fCapacity at refineries as of first-of-year, 1978 and 1984. *Petroleum Refineries in the United States and Puerto Rico, 1978*, Energy Data Report, and *Petroleum Supply Annual, 1983*, DOE/EIA-0340(83)-1.

^gInventories at end of year. *Petroleum Refineries in the United States and Puerto Rico, 1978*, Energy Data Report, and *Petroleum Supply Annual, 1983*, DOE/EIA-0340(83)/1.

Note: Capacity reported here for refineries refers to shell capacity. NPC estimates reflect shell capacity of tankage (including tank tops and idle capacity) plus unavailable inventory outside tankage (e.g. pipeline fill).

Table 2. Primary Storage Capacity and Inventories for Major Petroleum Products, 1977/1978 and 1983
(Million Barrels)

| | Motor Gasoline | Jet Fuel | Middle Distillates | Residual Fuel Oil | Total |
|--|-------------------|-------------|-----------------------|----------------------|---------|
| 1977/1978 | | | | | |
| NPC Estimate of Total System Capacity ^a | 496.8 | 91.2 | 351.5 | 156.3 | 1,095.9 |
| Census/EIA Capacity Data | | | | | |
| Refineries ^b | 174.6 | 31.0 | 118.6 | 71.4 | 395.6 |
| Pipelines & Tank Farms ^c | 52.7 | 8.1 | 33.2 | — | 94.0 |
| Petroleum Bulk Terminals ^d | 163.2 | 19.0 | 162.7 | 80.0 | 424.9 |
| Total Capacity | 390.5 | 58.1 | 314.5 | 151.4 | 914.5 |
| Total Primary Inventories ^e | 257.6 | 34.5 | 250.3 | 90.0 | 632.4 |
| 1983 | | | | | |
| NPC Estimate of Total System Capacity ^a | 470.6 | 75.2 | 313.8 | 147.2 | 1,006.8 |
| Census/EIA Capacity Data | | | | | |
| Refineries ^b | 197.6 | 36.6 | 113.2 | 62.0 | 409.4 |
| Pipelines & Tank Farms ^c | 51.1 | 11.5 | 27.5 | — | 90.1 |
| Petroleum Bulk Terminals ^d | 144.1 | 21.1 | 83.4 | 46.1 | 294.7 |
| Total Capacity | 392.8 | 69.2 | 224.1 | 108.1 | 794.2 |
| Total Primary Inventories ^e | 222.4 | 38.6 | 140.3 | 48.5 | 449.8 |

^aNational Petroleum Council. *Petroleum Storage and Transportation Capacities, 1979* (estimate of capacity as of 3/31/78). *Petroleum Inventories and Storage Capacity, 1984* (estimate of capacity as of 3/31/83). The 1978 NPC jet fuel estimate includes kerosene and kerosene-type jet fuel; the 1983 estimate represents kerosene-type jet fuel only. The 1978 motor gasoline estimate includes aviation gasoline; the 1983 estimate includes motor gasoline only. Total may not equal sum of components due to independent rounding.

^bCapacity at refineries as of first-of-year, 1978 and 1984. *Petroleum Refineries in the United States and Puerto Rico, 1978*, Energy Data Report, and *Petroleum Supply Annual, 1983*, DOE/EIA-0340(83)/1.

^cTotal stocks at pipelines and tank farms at end of year (including pipeline fill). 1977 *Petroleum Statement, Annual*, Energy Data Report, DOE/EIA-0108/77, and *Petroleum Supply Annual, 1983*, DOE/EIA-0340(83)/1.

^dBureau of the Census, "Petroleum Bulk Stations and Terminals," 1977 *Census of Wholesale Trade*, March 1981. The 1983 estimates are derived from 1983 petroleum product inventories as reported by EIA (see footnote 'e'), based on ratio of 1977 Census capacity to end-of-1977 EIA inventories.

^eInventories at end of year. *Petroleum Refineries in the United States and Puerto Rico, 1978*, Energy Data Report, and *Petroleum Supply Annual, 1983*, DOE/EIA-0340(83)/1.

Note: Capacity reported here for both refineries and bulk terminals refers to shell capacity. NPC estimates represent shell capacity (including tank tops and idle capacity) plus unavailable inventory outside tankage (e.g. pipeline fill).

industries of the Midwest, weakening the demand for refinery output in that region, and many workers (and energy consumers) moved to the Sun Belt States. A recent indication of the reduced profitability of moving oil to the Midwest is provided by the scheduled conversion of the Seaway and Texoma crude oil pipelines (together accounting for 560,000 barrels per day of throughput capacity) to natural gas (PIW, 1984).

Increased crude oil storage capacity at refineries between 1977 and 1983 more than offset the decline at pipelines. Some of this 1983 capacity was associated with idle refineries, which may eventually be shut down, but the data clearly indicate an increased emphasis on storage at refineries. Inventories of crude oil had increased in response to the 1979 and 1980 world oil price increases and associated uncertainty in international markets, and the 1983 capacity still reflects this structural change in industry inventory management.

Refined Product Storage Trends

Total primary storage capacity for major refined products maintained at refineries, in pipeline networks, and

at bulk terminals has declined since 1977 (see Table 2). A comparison of storage estimates derived from Federal data sources for end-of-year 1977 and 1983 with National Petroleum Council estimates for March 1978 and 1983 shows an overall capacity decline of between 120 million barrels (based on estimates from public sources) and 90 million barrels (based on NPC estimates).⁵

Most of the decline was associated with middle distillates and residual fuel oil. Trends in both storage capacity and inventories for these products, as well as for motor gasoline and jet fuel, closely paralleled trends in product supplied over the same period, indicating demand for storage to support transactions has been the most important factor explaining observed capacity levels. This was especially true for residual fuel oil, but lower capacity requirements for middle distillates probably also reflect changes in inventory management that have been responsible for the relatively small seasonal buildups of heating oil inventories in recent years.

⁵See Footnote 3.

Changes in total product storage capacity can also be associated with changes in capacity at various points in the distribution system. For example, most of the decline in total product capacity was at bulk terminals, while capacity at refineries increased slightly. This shift of capacity towards refinery locations is consistent with industry efforts in recent years to pare costs and enhance their flexibility in responding to changing market conditions. Increased crude oil storage capacity relative to that for refined products is another part of this move to increase marketing flexibility.

Finally, the data in Table 2 provide some indication of how the secondary distribution system and tertiary

storage capabilities influence primary storage practices. In both 1977 and 1983 the ratio of inventories to primary storage capacity is higher for gasoline and middle distillates than it is for the other two products. Contributing to this higher relative primary storage requirement is the fact that gasoline and distillates are distributed through extensive secondary networks to geographically dispersed consumers in the residential and transportation sectors. More product must be held in the primary system to support this network. Further, the tertiary storage capabilities of these consumers are typically restricted, especially in comparison with those of jet fuel and residual fuel oil consumers.

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U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves

In its seventh annual report on U.S. crude oil, natural gas, and natural gas liquids reserves, the Energy Information Administration estimated U.S. proved reserves¹ to be 27.7 billion barrels of crude oil, 200 trillion cubic feet of dry natural gas (excluding gas in underground storage) and 7.9 billion barrels of natural gas liquids (including lease condensate) as of December 31, 1983, (see Table 1).

The estimate of U.S. oil and gas proved reserves remained stable in 1983, as a significant increase in the estimate of proved reserves of natural gas liquids offset slight declines in crude oil and dry natural gas. According to the advance summary released in September 1984 of the Energy Information Administration's *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1983 Annual Report*, a 1.6 percent increase in total U.S. liquid hydrocarbon estimates of proved reserves (crude oil plus natural gas liquids) was attributed

to an increase of over 9 percent in the estimate of natural gas liquids proved reserves that outweighed a decline of less than 1 percent in the estimate of crude oil proved reserves. Both the relative stability of the estimate of crude oil reserves and the increase in the estimate of natural gas liquids reserves were largely the result of increases in net reserve adjustments and revisions.

Continuing the decline trend that began in 1971, the estimate of proved crude oil reserves slipped 123 million barrels (0.4 percent) last year—the smallest drop since 1980. Large positive net revisions (1.5 billion barrels) and net adjustments (462 million barrels) accounted for the stable estimate of crude oil proved

¹Proved reserves are those which geological and engineering data demonstrate with reasonable certainty to be recoverable in future years from known reservoirs under existing economic and operating conditions.

Table 1. Estimated Total U.S. Proved Reserves of Crude Oil, Natural Gas Liquids, and Natural Gas

| | Proved Reserves at Start of Year | Net Revisions and Adjustments ^a | Total Discoveries ^b | Production ^c | Proved Reserves at End of Year ^d | Percent Change |
|--|----------------------------------|--|--------------------------------|-------------------------|---|----------------|
| Crude Oil (Million Barrels) | | | | | | |
| 1979 | 31,355 | 774 | 636 | 2,955 | 29,810 | - 4.9 |
| 1980 | 29,810 | 2,108 | 862 | 2,975 | 29,805 | (s) |
| 1981 | 29,805 | 1,409 | 1,161 | 2,949 | 29,426 | - 1.3 |
| 1982 | 29,426 | 351 | 1,031 | 2,950 | 27,858 | - 5.3 |
| 1983 | 27,858 | 1,973 | 924 | 3,020 | 27,735 | - 0.4 |
| Natural Gas Liquids (Million Barrels)^e | | | | | | |
| 1979 | 6,772 | 15 | 555 | 727 | 6,615 | - 2.3 |
| 1980 | 6,615 | 257 | 587 | 731 | 6,728 | + 1.7 |
| 1981 | 6,728 | 317 | 764 | 741 | 7,068 | + 5.1 |
| 1982 | 7,068 | 278 | 596 | 721 | 7,221 | + 2.2 |
| 1983 | 7,221 | 915 | 490 | 725 | 7,901 | + 9.4 |
| Natural Gas (Billion Cubic Feet)^f | | | | | | |
| 1979 | 208,033 | - 2,483 | 14,704 | 19,257 | 200,997 | - 3.4 |
| 1980 | 200,997 | 2,250 | 14,473 | 18,699 | 199,021 | - 1.0 |
| 1981 | 199,021 | 4,226 | 17,220 | 18,737 | 201,730 | + 1.4 |
| 1982 | 201,730 | 2,833 | 14,455 | 17,506 | 201,512 | - 0.1 |
| 1983 | 201,512 | 3,075 | 11,448 | 15,788 | 200,247 | - 0.6 |

^aAlgebraic sum of revision increases, revision decreases, and net of corrections and adjustments.

^bAlgebraic sum of extensions to old reservoirs, new field discoveries, and new reservoirs discovered in old fields.

^cThese estimates of U.S. production for crude oil, natural gas, and natural gas liquids are based on data reported to EIA on Form EIA-23, "Annual Survey of Oil and Gas Reserves," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." These figures differ from official EIA U.S. production data for crude oil, natural gas, and natural gas liquids published in the *Petroleum Supply Annual* and *Natural Gas Annual*.

^dProved reserves at end of year equal proved reserves at start of year, plus net revisions (including corrections and adjustments), plus total discoveries, minus production.

^eIncluding lease condensate.

^fDry natural gas excluding gas in underground storage.

(s) = Less than 0.05 percent.

Source: Energy Information Administration, *Advance Summary of the U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves 1983 Annual Report*, September, 1984.

reserves, as total discoveries declined to 924 million barrels. Extensions to old reservoirs accounted for more than two-thirds of the discoveries. New reservoir discoveries in old fields accounted for one-fifth and new field discoveries accounted for the remainder.

The estimate of dry natural gas proved reserves fell 1.3 trillion cubic feet (0.6 percent) in 1983, but remained 0.6 percent above the low reported for 1980. Net revisions and adjustments to estimations of proved reserves continued to be positive; however, production, new discoveries and extensions to old reservoirs declined. About three-fifths of the 11 trillion cubic feet discovered in 1983 were from extensions to old reservoirs. New reservoir and new field discoveries accounted for about one-fourth and one-seventh, respectively.

The estimate of proved reserves of natural gas liquids increased 680 million barrels (9.4 percent) to 7.9 billion

barrels in 1983. This was the fourth consecutive annual increase in the estimate of proved reserves and resulted primarily from a positive net increase in revisions (66 million barrels) and a large increase in net adjustments (849 million barrels) that compensated for a drop in total discoveries (106 million barrels) during the year.

The estimates of proved reserves are based upon an analysis of data filed by 3,054 operators of oil and gas wells and by operators of 1,011 natural gas processing plants. The crude oil and natural gas proved reserves estimates are associated with sampling errors of 1 percent at a 95-percent confidence level. The full report includes additional data regarding estimates of proved reserves from nonproducing reservoirs and commitment status of proved natural gas reserves collected from large and intermediate size operators. It will be released by the Energy Information Administration in November 1984.

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Summary Statistics



Crude Oil¹ and Petroleum Products Overview

| | | Field Production | | | Stock Withdrawal ² | | | Ending Stocks ³ |
|------|-------------|-----------------------------|-----------|------------------------------|-------------------------------|--------------------|-----------------------------|---|
| | | Total Domestic ⁴ | Crude Oil | Natural Gas Plant Production | Crude Oil ⁵ | Petroleum Products | Petroleum Products Supplied | Crude Oil ⁵ and Petroleum Products |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 10,975 | 9,208 | 1,738 | 11 | -146 | 17,308 | 1,008 |
| 1974 | Average | 10,498 | 8,774 | 1,688 | -62 | -117 | 16,653 | ⁸ 1,074 |
| 1975 | Average | 10,045 | 8,375 | 1,633 | ⁸ -17 | ⁸ -145 | 16,322 | 1,133 |
| 1976 | Average | 9,774 | 8,132 | 1,603 | -39 | 96 | 17,461 | 1,112 |
| 1977 | Average | 9,913 | 8,245 | 1,618 | -170 | -378 | 18,431 | 1,312 |
| 1978 | Average | 10,328 | 8,707 | 1,567 | -78 | 172 | 18,847 | 1,278 |
| 1979 | Average | 10,179 | 8,552 | 1,584 | -148 | -25 | 18,513 | 1,341 |
| 1980 | Average | 10,214 | 8,597 | 1,573 | -98 | -42 | 17,056 | ⁸ 1,392 |
| 1981 | Average | 10,230 | 8,572 | 1,609 | ⁸ -290 | ⁸ 130 | 16,058 | 1,484 |
| 1982 | | | | | | | | |
| | January | 10,128 | 8,509 | 1,578 | -401 | 1,298 | 16,124 | 1,456 |
| | February | 10,312 | 8,702 | 1,563 | -242 | 1,230 | 16,001 | 1,428 |
| | March | 10,284 | 8,667 | 1,572 | 121 | 1,047 | 15,560 | 1,392 |
| | April | 10,188 | 8,591 | 1,542 | -37 | 1,583 | 16,046 | 1,346 |
| | May | 10,244 | 8,683 | 1,518 | 29 | -66 | 14,847 | 1,347 |
| | June | 10,212 | 8,646 | 1,511 | 40 | -489 | 14,998 | 1,360 |
| | July | 10,229 | 8,658 | 1,513 | -147 | -926 | 14,821 | 1,393 |
| | August | 10,215 | 8,634 | 1,524 | -440 | -44 | 14,839 | 1,408 |
| | September | 10,279 | 8,701 | 1,518 | 263 | -447 | 15,022 | 1,414 |
| | October | 10,299 | 8,701 | 1,530 | -548 | -47 | 14,859 | 1,432 |
| | November | 10,359 | 8,697 | 1,609 | -398 | -361 | 15,009 | 1,455 |
| | December | 10,276 | 8,598 | 1,628 | 128 | 688 | 15,487 | ⁸ 1,430 |
| | Average | 10,252 | 8,649 | 1,550 | -136 | 283 | 15,296 | |
| 1983 | | | | | | | | |
| | January | 10,331 | 8,697 | 1,580 | ⁸ -499 | ⁸ 772 | 14,722 | 1,452 |
| | February | 10,388 | 8,758 | 1,575 | -320 | 1,113 | 14,792 | 1,430 |
| | March | 10,279 | 8,700 | 1,541 | 83 | 1,810 | 15,541 | 1,372 |
| | April | 10,322 | 8,776 | 1,506 | -402 | 308 | 14,692 | 1,374 |
| | May | 10,190 | 8,631 | 1,493 | -15 | -602 | 14,505 | 1,394 |
| | June | 10,261 | 8,667 | 1,523 | -122 | -276 | 15,289 | 1,405 |
| | July | 10,228 | 8,636 | 1,539 | 233 | -909 | 15,019 | 1,426 |
| | August | 10,284 | 8,679 | 1,562 | -796 | -271 | 15,480 | 1,460 |
| | September | 10,447 | 8,784 | 1,602 | -239 | -621 | 15,506 | 1,485 |
| | October | 10,434 | 8,771 | 1,604 | -274 | -442 | 14,962 | 1,508 |
| | November | 10,461 | 8,770 | 1,641 | 114 | -182 | 15,500 | 1,510 |
| | December | 9,983 | 8,397 | 1,544 | -329 | 2,133 | 16,726 | 1,454 |
| | Average | 10,299 | 8,688 | 1,559 | -214 | 234 | 15,231 | |
| 1984 | | | | | | | | |
| | January | 10,282 | 8,659 | 1,585 | -342 | 1,085 | 16,726 | 1,430 |
| | February | 10,410 | 8,726 | 1,629 | 186 | -1,353 | 15,389 | 1,464 |
| | March | 10,354 | 8,718 | 1,588 | -2 | 643 | 16,017 | 1,444 |
| | April | 10,347 | 8,688 | 1,616 | -565 | -128 | 15,484 | 1,465 |
| | May | 10,415 | 8,752 | 1,610 | -616 | -422 | 15,566 | 1,497 |
| | June | 10,398 | 8,743 | 1,612 | -95 | -77 | 15,687 | 1,502 |
| | July | 10,487 | 8,769 | 1,649 | -184 | -184 | 15,547 | 1,514 |
| | August* | 10,476 | 8,781 | 1,663 | R 250 | R 185 | R 16,130 | R 1,500 |
| | September** | NA | 8,759 | NA | 326 | -203 | 15,883 | 1,508 |
| | Average | NA | 8,733 | NA | -118 | -40 | 15,830 | |

¹ Includes lease condensate.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Stocks are totals as of end of period.

⁴ Includes crude oil, natural gas plant production, other hydrocarbons, and alcohol.

⁵ Includes stocks located in the Strategic Petroleum Reserve.

⁶ Includes crude oil for storage in the Strategic Petroleum Reserve.

⁷ Net Imports equal Imports minus Exports.

⁸ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

Footnotes continued on following page.

Crude Oil¹ and Petroleum Products Overview (continued)

| Crude Oil ¹ and Petroleum Products Overview (continued) | | | | | | | | |
|--|-------------|---------|------------------------|--------------------|---------|-----------|--------------------|--------------------------|
| | | Imports | | | Exports | | | |
| | | Total | Crude Oil ⁶ | Petroleum Products | Total | Crude Oil | Petroleum Products | Net ⁷ Imports |
| | | | | | | | | |
| Thousand Barrels per Day | | | | | | | | |
| 1973 | Average | 6,256 | 3,244 | 3,012 | 231 | 2 | 229 | 6,025 |
| 1974 | Average | 6,112 | 3,477 | 2,635 | 221 | 3 | 218 | 5,892 |
| 1975 | Average | 6,056 | 4,105 | 1,951 | 209 | 6 | 204 | 5,848 |
| 1976 | Average | 7,313 | 5,287 | 2,026 | 223 | 8 | 215 | 7,090 |
| 1977 | Average | 8,807 | 6,615 | 2,193 | 243 | 50 | 193 | 8,565 |
| 1978 | Average | 8,363 | 6,356 | 2,008 | 362 | 158 | 204 | 8,002 |
| 1979 | Average | 8,456 | 6,519 | 1,937 | 472 | 235 | 237 | 7,984 |
| 1980 | Average | 6,909 | 5,263 | 1,646 | 544 | 287 | 258 | 6,365 |
| 1981 | Average | 5,996 | 4,396 | 1,599 | 595 | 228 | 367 | 5,401 |
| | | | | | | | | |
| 1982 | January | 5,332 | 3,693 | 1,639 | 829 | 238 | 591 | 4,503 |
| | February | 4,807 | 2,990 | 1,817 | 804 | 304 | 499 | 4,003 |
| | March | 4,484 | 2,874 | 1,610 | 882 | 321 | 561 | 3,602 |
| | April | 4,378 | 2,849 | 1,529 | 786 | 174 | 611 | 3,593 |
| | May | 4,811 | 3,309 | 1,503 | 803 | 262 | 542 | 4,008 |
| | June | 5,327 | 3,836 | 1,491 | 703 | 94 | 609 | 4,624 |
| | July | 5,890 | 4,248 | 1,642 | 741 | 229 | 512 | 5,149 |
| | August | 5,244 | 3,851 | 1,392 | 858 | 304 | 554 | 4,386 |
| | September | 5,414 | 3,636 | 1,778 | 791 | 184 | 606 | 4,624 |
| | October | 5,306 | 3,670 | 1,636 | 932 | 270 | 662 | 4,374 |
| | November | 5,744 | 3,862 | 1,882 | 786 | 262 | 524 | 4,958 |
| | December | 4,606 | 3,000 | 1,605 | 860 | 193 | 667 | 3,746 |
| | Average | 5,113 | 3,488 | 1,625 | 815 | 236 | 579 | 4,298 |
| | | | | | | | | |
| 1983 | January | 4,438 | 2,964 | 1,474 | 973 | 117 | 856 | 3,464 |
| | February | 3,726 | 2,267 | 1,459 | 865 | 262 | 603 | 2,861 |
| | March | 3,690 | 2,290 | 1,400 | 801 | 174 | 627 | 2,889 |
| | April | 4,727 | 3,118 | 1,609 | 809 | 88 | 721 | 3,918 |
| | May | 5,089 | 3,360 | 1,729 | 848 | 280 | 568 | 4,241 |
| | June | 5,326 | 3,577 | 1,749 | 774 | 144 | 630 | 4,552 |
| | July | 5,741 | 3,871 | 1,870 | 571 | 145 | 426 | 5,170 |
| | August | 6,159 | 4,227 | 1,933 | 663 | 172 | 491 | 5,496 |
| | September | 6,129 | 4,210 | 1,919 | 684 | 177 | 507 | 5,445 |
| | October | 5,258 | 3,446 | 1,812 | 576 | 140 | 436 | 4,682 |
| | November | 5,210 | 3,337 | 1,873 | 679 | 186 | 494 | 4,531 |
| | December | 5,033 | 3,213 | 1,820 | 639 | 95 | 544 | 4,394 |
| | Average | 5,051 | 3,329 | 1,722 | 739 | 164 | 575 | 4,312 |
| | | | | | | | | |
| 1984 | January | 5,347 | 3,029 | 2,318 | 575 | 153 | 422 | 4,772 |
| | February | 5,643 | 2,952 | 2,691 | 582 | 185 | 397 | 5,061 |
| | March | 5,253 | 3,455 | 1,798 | 840 | 236 | 605 | 4,413 |
| | April | 5,319 | 3,417 | 1,902 | 655 | 172 | 483 | 4,664 |
| | May | 5,916 | 3,927 | 1,989 | 766 | 219 | 548 | 5,150 |
| | June | 5,304 | 3,410 | 1,893 | 864 | 222 | 642 | 4,440 |
| | July | 5,387 | 3,646 | 1,741 | 536 | 108 | 429 | 4,851 |
| | August* | R 5,036 | R 3,244 | R 1,793 | 732 | 190 | 542 | 4,305 |
| | September** | 4,959 | 3,170 | 1,789 | NA | NA | NA | NA |
| | Average | 5,351 | 3,364 | 1,987 | NA | NA | NA | NA |

Footnotes continued.

* See Explanatory Note 9.1.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available.

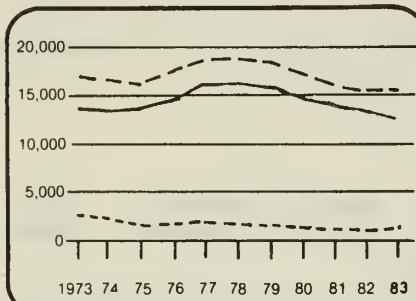
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

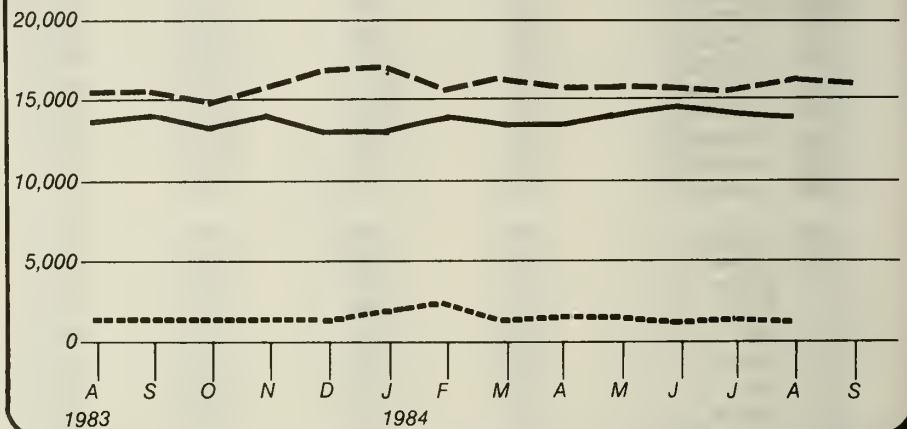
Petroleum Overview

(Thousand Barrels Per Day)



Annual

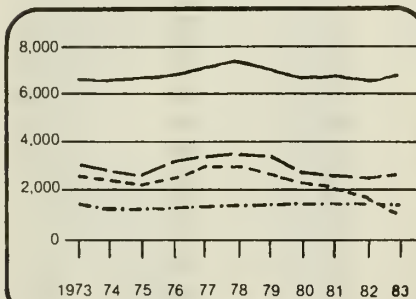
Legend
 - - - Petroleum Product Supplied
 — Refinery Production
 . . . Net Petroleum Product Imports



Monthly

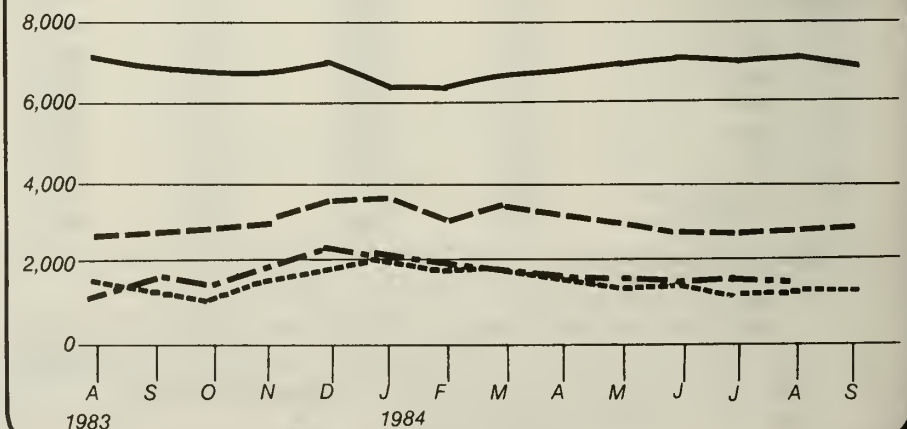
Petroleum Products Supplied

(Thousand Barrels Per Day)



Annual

Legend
 — Motor Gasoline
 - - - Distillate Fuel Oil
 . . . Residual Fuel Oil
 - . . LPG¹

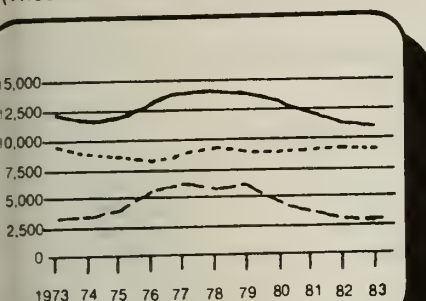


Monthly

¹ Liquefied Petroleum Gases

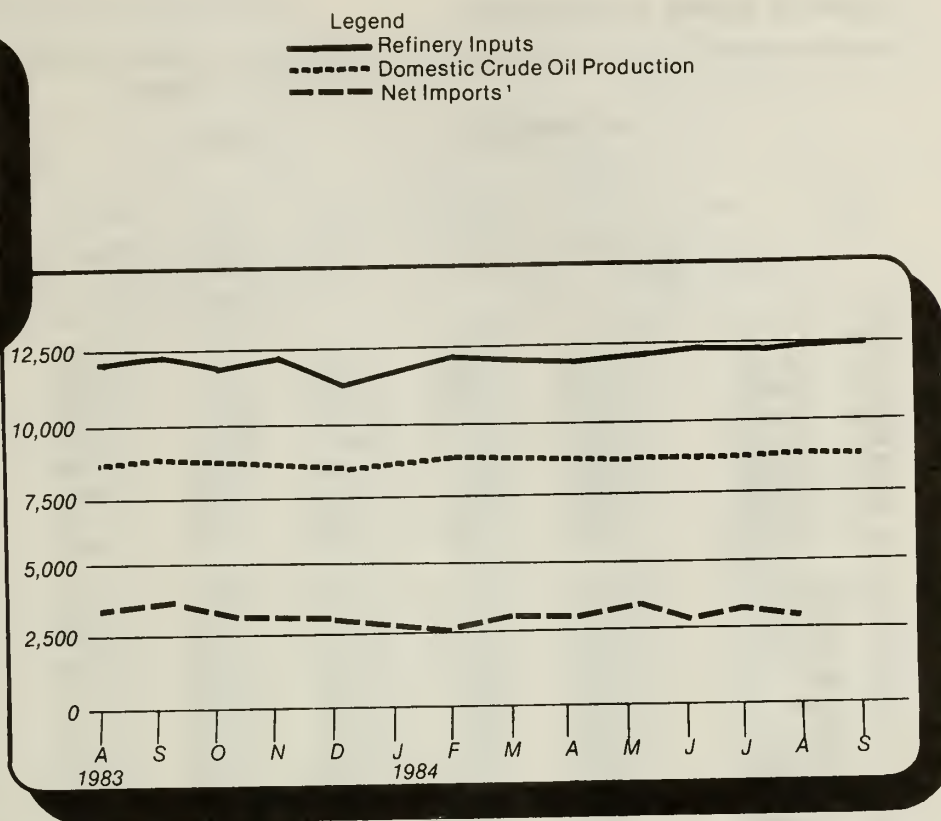
Crude Oil Supply and Disposition

(Thousand Barrels Per Day)



Annual

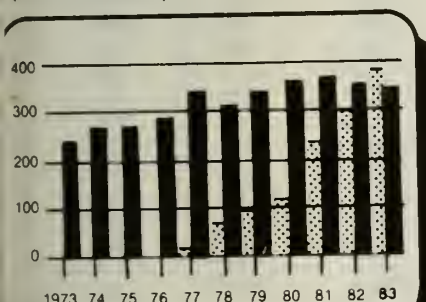
Excludes SPR Imports



Monthly

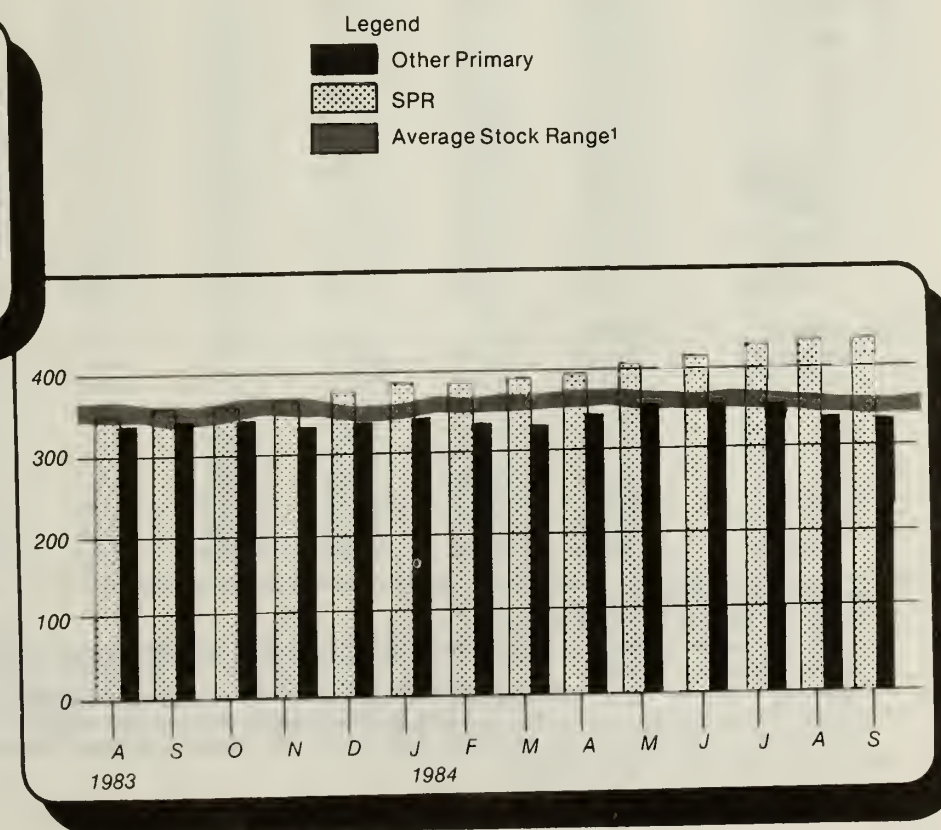
Crude Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock range for other primary crude oil based on 3 years of data, Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Crude Oil¹ Supply and Disposition

| | | Supply | | | | | | |
|------|-------------|--------------------------|---------|---------|------------------|---------|-------------------------------|--------------------------------------|
| | | Field Production | | Imports | | | Stock Withdrawal ³ | |
| | | Total Domestic | Alaskan | Total | SPR ⁴ | Other | SPR ⁴ | Other |
| | | Thousand Barrels per Day | | | | | | |
| | | | | | | | | Unac- counted for Crude Oil |
| 1973 | Average | 9,208 | 198 | 3,244 | | 3,244 | 11 | 3 |
| 1974 | Average | 8,774 | 193 | 3,477 | | 3,477 | -62 | -25 |
| 1975 | Average | 8,375 | 191 | 4,105 | | 4,105 | -17 | 17 |
| 1976 | Average | 8,132 | 173 | 5,287 | | 5,287 | -39 | 77 |
| 1977 | Average | 8,245 | 464 | 6,615 | 21 | 6,594 | -20 | -6 |
| 1978 | Average | 8,707 | 1,229 | 6,356 | 162 | 6,195 | -163 | -57 |
| 1979 | Average | 8,552 | 1,401 | 6,519 | 67 | 6,452 | -67 | -11 |
| 1980 | Average | 8,597 | 1,617 | 5,263 | 44 | 5,219 | -45 | 34 |
| 1981 | Average | 8,572 | 1,609 | 4,396 | 256 | 4,141 | -336 | 83 |
| 1982 | January | 8,509 | 1,705 | 3,693 | 170 | 3,523 | -159 | 101 |
| | February | 8,702 | 1,707 | 2,990 | 159 | 2,830 | -213 | 156 |
| | March | 8,667 | 1,696 | 2,874 | 185 | 2,689 | -235 | 2 |
| | April | 8,591 | 1,691 | 2,849 | 190 | 2,659 | -233 | 231 |
| | May | 8,683 | 1,707 | 3,309 | 204 | 3,105 | -176 | 111 |
| | June | 8,646 | 1,665 | 3,836 | 105 | 3,732 | -105 | 133 |
| | July | 8,658 | 1,710 | 4,248 | 97 | 4,150 | -97 | -20 |
| | August | 8,634 | 1,697 | 3,851 | 208 | 3,643 | -208 | 189 |
| | September | 8,701 | 1,705 | 3,636 | 139 | 3,497 | -143 | -210 |
| | October | 8,701 | 1,706 | 3,670 | 216 | 3,454 | -216 | 249 |
| | November | 8,697 | 1,676 | 3,862 | 180 | 3,683 | -179 | -124 |
| | December | 8,598 | 1,682 | 3,000 | 124 | 2,877 | -125 | 35 |
| | Average | 8,649 | 1,696 | 3,488 | 165 | 3,323 | -174 | 71 |
| 1983 | January | 8,697 | 1,732 | 2,964 | 219 | 2,746 | -219 | 170 |
| | February | 8,758 | 1,717 | 2,267 | 197 | 2,070 | -197 | 262 |
| | March | 8,700 | 1,732 | 2,290 | 201 | 2,089 | -184 | 31 |
| | April | 8,776 | 1,721 | 3,118 | 205 | 2,913 | -197 | 98 |
| | May | 8,631 | 1,662 | 3,360 | 289 | 3,071 | -293 | 169 |
| | June | 8,667 | 1,687 | 3,577 | 190 | 3,387 | -188 | 370 |
| | July | 8,636 | 1,715 | 3,871 | 274 | 3,597 | -264 | -167 |
| | August | 8,679 | 1,697 | 4,227 | 350 | 3,876 | -358 | 281 |
| | September | 8,784 | 1,738 | 4,210 | 309 | 3,901 | -307 | -30 |
| | October | 8,771 | 1,733 | 3,446 | 202 | 3,244 | -201 | 44 |
| | November | 8,770 | 1,720 | 3,337 | 171 | 3,166 | -135 | 34 |
| | December | 8,397 | 1,711 | 3,213 | 193 | 3,020 | -252 | 117 |
| | Average | 8,688 | 1,714 | 3,329 | 234 | 3,096 | -234 | 114 |
| 1984 | January | 8,659 | 1,741 | 3,029 | 200 | 2,829 | -173 | 451 |
| | February | 8,726 | 1,740 | 2,952 | 85 | 2,868 | -96 | 487 |
| | March | 8,718 | 1,740 | 3,455 | 148 | 3,307 | -147 | 66 |
| | April | 8,688 | 1,725 | 3,417 | 170 | 3,247 | -170 | 590 |
| | May | 8,752 | 1,793 | 3,927 | 246 | 3,681 | -245 | 463 |
| | June | 8,743 | 1,792 | 3,410 | 309 | 3,101 | -309 | 490 |
| | July | 8,769 | 1,769 | 3,646 | 329 | 3,317 | -328 | 25 |
| | August* | 8,781 | 1,725 | R 3,244 | R 180 | R 3,064 | R -179 | 383 |
| | September** | 8,759 | 1,725 | 3,170 | 65 | 3,105 | -65 | NA |
| | Average | 8,733 | 1,750 | 3,364 | 193 | 3,171 | -191 | NA |

¹ Includes lease condensate.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Strategic Petroleum Reserve.

⁵ Beginning in January 1983, crude oil used directly as fuel is shown as product supplied.

⁶ Stocks of Alaskan crude oil in transit were included beginning in January 1981. Stock withdrawals are calculated using new basis stock levels. See Explanatory Notes 10 and 11.

Footnotes continued on following page.

Crude Oil¹ Supply and Disposition (continued)

| | | Supply | Disposition | | | | Ending Stocks ² | | |
|------|-------------|----------------------------------|------------------|-----------------|---------|--------------------------------|----------------------------|------------------|------------------|
| | | Crude Used Directly ⁵ | Crude Losses | Refinery Inputs | Exports | Products Supplied ⁵ | Total Crude Oil | SPR ⁴ | Other Primary |
| | | Thousand Barrels per Day | | | | | Million Barrels | | |
| 1973 | Average | -19 | 13 | 12,431 | 2 | NA | 242 | | 242 |
| 1974 | Average | -15 | 13 | 12,133 | 3 | NA | 265 | | 265 |
| 1975 | Average | -17 | 13 | 12,442 | 6 | NA | 271 | | 271 |
| 1976 | Average | -18 | 15 | 13,416 | 8 | NA | 285 | | 285 |
| 1977 | Average | -14 | 16 | 14,602 | 50 | NA | 348 | 7 | 340 |
| 1978 | Average | -14 | 16 | 14,739 | 158 | NA | 376 | 67 | 309 |
| 1979 | Average | -13 | 16 | 14,648 | 235 | NA | 430 | 91 | 339 |
| 1980 | Average | -13 | 15 | 13,481 | 287 | NA | ⁶ 466 | 108 | ⁶ 358 |
| 1981 | Average | -58 | 5 | 12,470 | 228 | NA | 594 | 230 | 363 |
| 1982 | January | -63 | 3 | 11,599 | 238 | NA | 606 | 235 | 371 |
| | February | -64 | 2 | 11,236 | 304 | NA | 613 | 241 | 372 |
| | March | -63 | 5 | 11,276 | 321 | NA | 609 | 249 | 361 |
| | April | -65 | 3 | 11,392 | 174 | NA | 610 | 256 | 355 |
| | May | -62 | 3 | 11,806 | 262 | NA | 609 | 261 | 348 |
| | June | -60 | 7 | 12,494 | 94 | NA | 608 | 264 | 344 |
| | July | -60 | 3 | 12,446 | 229 | NA | 613 | 267 | 346 |
| | August | -57 | 2 | 11,871 | 304 | NA | 626 | 274 | 353 |
| | September | -56 | 4 | 12,146 | 184 | NA | 619 | 278 | 341 |
| | October | -51 | 2 | 11,749 | 270 | NA | 636 | 285 | 351 |
| | November | -51 | 1 | 11,724 | 262 | NA | 648 | 290 | 358 |
| | December | -53 | 1 | 11,514 | 193 | NA | ⁶ 644 | 294 | 350 |
| | Average | -59 | 3 | 11,774 | 236 | NA | | | |
| 1983 | January | NA | 2 | 11,143 | 117 | 71 | 660 | 301 | 360 |
| | February | NA | 3 | 10,633 | 262 | 71 | 669 | 306 | 363 |
| | March | NA | 2 | 10,859 | 174 | 70 | 667 | 312 | 355 |
| | April | NA | 2 | 11,433 | 88 | 68 | 679 | 318 | 361 |
| | May | NA | 1 | 11,800 | 280 | 63 | 679 | 327 | 353 |
| | June | NA | (^S) | 12,284 | 144 | 64 | 683 | 332 | 351 |
| | July | NA | 2 | 12,360 | 145 | 65 | 676 | 341 | 335 |
| | August | NA | 1 | 12,152 | 172 | 64 | 700 | 352 | 349 |
| | September | NA | 1 | 12,482 | 177 | 66 | 708 | 361 | 347 |
| | October | NA | 1 | 11,782 | 140 | 63 | 716 | 367 | 349 |
| | November | NA | 2 | 12,004 | 186 | 64 | 713 | 371 | 341 |
| | December | NA | 1 | 11,234 | 95 | 67 | 723 | 379 | 344 |
| | Average | NA | 2 | 11,685 | 164 | 66 | | | |
| 1984 | January | NA | 1 | 11,579 | 153 | 64 | 733 | 384 | 348 |
| | February | NA | 1 | 12,100 | 185 | 65 | 727 | 387 | 340 |
| | March | NA | 2 | 11,936 | 236 | 62 | 728 | 392 | 336 |
| | April | NA | (^S) | 11,893 | 172 | 64 | 744 | 397 | 348 |
| | May | NA | 2 | 12,243 | 219 | 62 | 764 | 404 | 359 |
| | June | NA | 2 | 12,263 | 222 | 61 | 766 | 414 | 353 |
| | July | NA | 1 | 12,087 | 108 | 60 | 772 | 424 | 348 |
| | August* | NA | 1 | R 12,403 | 190 | 63 | R 764 | 429 | R 335 |
| | September** | NA | NA | 12,475 | NA | NA | 762 | 432 | 331 |
| | Average | NA | NA | 12,108 | NA | NA | | | |

Footnotes continued.

* See Explanatory Note 9.2.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (^S) = Less than 500 barrels per day.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Crude Oil and Petroleum Product Imports

| | | Imports from OPEC Sources ¹ | | | | | | | | | |
|------|-----------|--|-------|--------------|----------------------|-----------|------|---------|-----------|-------------------------|------------------------------|
| | | Algeria | Libya | Saudi Arabia | United Arab Emirates | Indonesia | Iran | Nigeria | Venezuela | Other OPEC ² | Total Arab OPEC ³ |
| | | Thousand Barrels per Day | | | | | | | | | |
| 1973 | Average | 136 | 164 | 486 | 71 | 213 | 223 | 459 | 1,135 | 106 | 2,993 |
| 1974 | Average | 190 | 4 | 461 | 74 | 300 | 469 | 713 | 979 | 88 | 3,280 |
| 1975 | Average | 282 | 232 | 715 | 117 | 390 | 280 | 762 | 702 | 122 | 3,601 |
| 1976 | Average | 432 | 453 | 1,230 | 254 | 539 | 298 | 1,025 | 700 | 134 | 5,066 |
| 1977 | Average | 559 | 723 | 1,380 | 335 | 541 | 535 | 1,143 | 690 | 287 | 6,193 |
| 1978 | Average | 649 | 654 | 1,144 | 385 | 573 | 555 | 919 | 645 | 226 | 5,751 |
| 1979 | Average | 636 | 658 | 1,356 | 281 | 420 | 304 | 1,080 | 690 | 212 | 5,637 |
| 1980 | Average | 488 | 554 | 1,261 | 172 | 348 | 9 | 857 | 481 | 130 | 4,300 |
| 1981 | Average | 311 | 319 | 1,129 | 81 | 366 | 0 | 620 | 406 | 90 | 3,323 |
| 1982 | January | 254 | 161 | 877 | 111 | 289 | 0 | 663 | 376 | 128 | 2,859 |
| | February | 139 | 92 | 693 | 89 | 244 | 0 | 584 | 355 | 102 | 2,297 |
| | March | 91 | 37 | 555 | 155 | 200 | 0 | 522 | 399 | 91 | 2,051 |
| | April | 85 | 0 | 511 | 122 | 215 | 0 | 427 | 426 | 85 | 1,871 |
| | May | 179 | 0 | 601 | 116 | 236 | 0 | 222 | 422 | 54 | 1,830 |
| | June | 115 | 0 | 593 | 94 | 215 | 72 | 537 | 361 | 110 | 2,096 |
| | July | 159 | 0 | 660 | 108 | 327 | 69 | 910 | 356 | 95 | 2,685 |
| | August | 181 | 0 | 489 | 133 | 271 | 27 | 574 | 299 | 133 | 2,107 |
| | September | 179 | 0 | 432 | 57 | 191 | 21 | 477 | 518 | 69 | 1,943 |
| | October | 249 | 7 | 494 | 61 | 242 | 108 | 313 | 504 | 106 | 2,084 |
| | November | 247 | 14 | 489 | 47 | 283 | 34 | 479 | 528 | 115 | 2,235 |
| | December | 155 | 0 | 237 | 12 | 265 | 88 | 462 | 399 | 73 | 1,690 |
| | Average | 170 | 26 | 552 | 92 | 248 | 35 | 514 | 412 | 97 | 2,146 |
| 1983 | January | 207 | 0 | 282 | 47 | 255 | 43 | 186 | 337 | 54 | 1,412 |
| | February | 115 | 0 | 214 | 9 | 217 | 0 | 92 | 393 | 28 | 1,068 |
| | March | 63 | 0 | 103 | 0 | 138 | 0 | 121 | 440 | 201 | 1,066 |
| | April | 227 | 0 | 162 | (s) | 210 | 0 | 186 | 523 | 125 | 1,432 |
| | May | 286 | 0 | 122 | 12 | 405 | 37 | 385 | 455 | 69 | 1,771 |
| | June | 300 | 0 | 188 | 40 | 466 | 38 | 467 | 335 | 138 | 1,973 |
| | July | 283 | 0 | 182 | 64 | 464 | 112 | 525 | 434 | 187 | 2,251 |
| | August | 378 | 0 | 448 | 52 | 433 | 213 | 464 | 511 | 230 | 2,728 |
| | September | 423 | 0 | 587 | 21 | 501 | 86 | 324 | 432 | 221 | 2,595 |
| | October | 261 | 0 | 638 | 16 | 368 | 12 | 307 | 337 | 169 | 2,108 |
| | November | 184 | 0 | 545 | 56 | 302 | 21 | 215 | 452 | 135 | 1,910 |
| | December | 144 | 0 | 569 | 45 | 294 | 9 | 329 | 415 | 163 | 1,969 |
| | Average | 240 | 0 | 337 | 30 | 338 | 48 | 302 | 422 | 144 | 1,862 |
| 1984 | January | 242 | 0 | 463 | 114 | 278 | 0 | 243 | 547 | 51 | 1,939 |
| | February | 348 | 0 | 324 | 33 | 267 | 0 | 244 | 481 | 174 | 1,871 |
| | March | 283 | 0 | 307 | 112 | 284 | 67 | 260 | 354 | 127 | 1,792 |
| | April | 280 | 0 | 320 | 95 | 221 | 0 | 288 | 581 | 158 | 1,944 |
| | May | 456 | 0 | 329 | 240 | 480 | 0 | 289 | 621 | 242 | 2,657 |
| | June | 284 | 0 | 411 | 46 | 415 | 0 | 243 | 574 | 139 | 2,112 |
| | July | 332 | 0 | 429 | 112 | 384 | 0 | 204 | 535 | 242 | 2,237 |
| | August | 404 | 0 | 438 | 82 | 281 | 0 | 114 | 487 | 216 | 2,021 |
| | Average | 329 | 0 | 378 | 105 | 327 | 8 | 235 | 522 | 169 | 2,074 |

¹ Excludes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

² Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.

³ Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

Footnotes continued on following page.

Crude Oil and Petroleum Product Imports (continued)

| | | Imports from Non-OPEC Sources ⁴ | | | | | | | | | | |
|------|-----------|--|--------|--------|------------------------------|---------------------------|-------------------|----------------|-------------------|----------------------|----------------------|------------------|
| | | Baha- mas | Canada | Mexico | Nether- lands Antilles | Trinidad and Tobago | United Kingdom | Puerto Rico | Virgin Islands | Other Non OPEC | Total Non OPEC | Total Imports |
| | | Thousand Barrels per Day | | | | | | | | | | |
| 1973 | Average | 174 | 1,325 | 16 | 585 | 255 | 15 | 99 | 329 | 465 | 3,263 | 6,256 |
| 1974 | Average | 164 | 1,070 | 8 | 511 | 251 | 8 | 90 | 391 | 340 | 2,832 | 6,112 |
| 1975 | Average | 152 | 846 | 71 | 332 | 242 | 14 | 90 | 406 | 300 | 2,454 | 6,056 |
| 1976 | Average | 118 | 599 | 87 | 275 | 274 | 31 | 88 | 422 | 353 | 2,247 | 7,313 |
| 1977 | Average | 171 | 517 | 179 | 211 | 289 | 126 | 105 | 466 | 550 | 2,614 | 8,807 |
| 1978 | Average | 160 | 467 | 318 | 229 | 253 | 180 | 94 | 429 | 484 | 2,613 | 8,363 |
| 1979 | Average | 147 | 538 | 439 | 231 | 190 | 202 | 92 | 431 | 548 | 2,819 | 8,456 |
| 1980 | Average | 78 | 455 | 533 | 225 | 176 | 176 | 88 | 388 | 491 | 2,609 | 6,909 |
| 1981 | Average | 74 | 447 | 522 | 197 | 133 | 375 | 62 | 327 | 534 | 2,672 | 5,996 |
| 1982 | January | 58 | 513 | 425 | 179 | 106 | 346 | 62 | 334 | 452 | 2,474 | 5,332 |
| | February | 67 | 537 | 476 | 221 | 120 | 181 | 38 | 362 | 508 | 2,510 | 4,807 |
| | March | 43 | 437 | 503 | 189 | 118 | 294 | 62 | 307 | 480 | 2,433 | 4,484 |
| | April | 82 | 360 | 476 | 184 | 166 | 247 | 36 | 266 | 690 | 2,507 | 4,387 |
| | May | 77 | 419 | 766 | 152 | 95 | 516 | 47 | 302 | 607 | 2,981 | 4,811 |
| | June | 32 | 481 | 797 | 148 | 129 | 557 | 58 | 322 | 708 | 3,231 | 5,327 |
| | July | 64 | 536 | 783 | 158 | 118 | 433 | 38 | 376 | 698 | 3,204 | 5,890 |
| | August | 80 | 443 | 853 | 145 | 106 | 520 | 24 | 317 | 650 | 3,137 | 5,244 |
| | September | 92 | 493 | 897 | 195 | 89 | 631 | 51 | 278 | 746 | 3,472 | 5,414 |
| | October | 45 | 459 | 682 | 148 | 109 | 666 | 52 | 262 | 801 | 3,222 | 5,306 |
| | November | 51 | 553 | 860 | 212 | 90 | 623 | 81 | 334 | 706 | 3,508 | 5,744 |
| | December | 88 | 561 | 689 | 174 | 102 | 438 | 48 | 336 | 480 | 2,916 | 4,606 |
| | Average | 65 | 482 | 685 | 175 | 112 | 456 | 50 | 316 | 627 | 2,968 | 5,113 |
| 1983 | January | 68 | 534 | 849 | 228 | 73 | 314 | 40 | 299 | 621 | 3,026 | 4,438 |
| | February | 92 | 586 | 722 | 183 | 81 | 193 | 50 | 192 | 558 | 2,658 | 3,726 |
| | March | 86 | 488 | 775 | 187 | 78 | 240 | 43 | 162 | 565 | 2,624 | 3,690 |
| | April | 174 | 454 | 981 | 216 | 85 | 421 | 20 | 183 | 759 | 3,295 | 4,727 |
| | May | 135 | 518 | 944 | 153 | 108 | 484 | 42 | 235 | 699 | 3,318 | 5,089 |
| | June | 137 | 586 | 830 | 173 | 120 | 440 | 48 | 262 | 757 | 3,353 | 5,326 |
| | July | 69 | 634 | 849 | 198 | 107 | 369 | 37 | 364 | 864 | 3,490 | 5,741 |
| | August | 144 | 542 | 906 | 197 | 90 | 461 | 40 | 313 | 738 | 3,431 | 6,159 |
| | September | 148 | 533 | 849 | 261 | 82 | 475 | 33 | 307 | 845 | 3,534 | 6,129 |
| | October | 171 | 532 | 771 | 172 | 106 | 414 | 48 | 357 | 580 | 3,151 | 5,258 |
| | November | 148 | 556 | 726 | 144 | 110 | 334 | 55 | 427 | 801 | 3,300 | 5,210 |
| | December | 127 | 604 | 710 | 153 | 113 | 429 | 22 | 278 | 628 | 3,063 | 5,033 |
| | Average | 125 | 547 | 826 | 189 | 96 | 382 | 40 | 282 | 701 | 3,189 | 5,051 |
| 1984 | January | 152 | 624 | 705 | 277 | 54 | 382 | 53 | 390 | 772 | 3,408 | 5,347 |
| | February | 142 | 620 | 747 | 288 | 77 | 338 | 58 | 418 | 1,083 | 3,772 | 5,643 |
| | March | 88 | 726 | 707 | 169 | 93 | 400 | 34 | 247 | 996 | 3,460 | 5,253 |
| | April | 88 | 691 | 859 | 207 | 91 | 282 | 37 | 257 | 863 | 3,375 | 5,319 |
| | May | 31 | 715 | 675 | 192 | 57 | 418 | 38 | 336 | 796 | 3,259 | 5,916 |
| | June | 50 | 499 | 732 | 234 | 104 | 318 | 53 | 268 | 934 | 3,192 | 5,304 |
| | July | 14 | 574 | 738 | 99 | 120 | 362 | 27 | 292 | 924 | 3,150 | 5,387 |
| | August | 57 | 551 | 621 | 205 | 98 | 388 | 34 | 236 | 826 | 3,015 | 5,036 |
| | Average | 77 | 625 | 722 | 208 | 87 | 362 | 42 | 305 | 898 | 3,326 | 5,399 |

Footnotes continued.

⁴ Includes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

(⁹) = Less than 500 barrels per day.

Note: Beginning in October 1977, Strategic Petroleum Reserve imports are included.

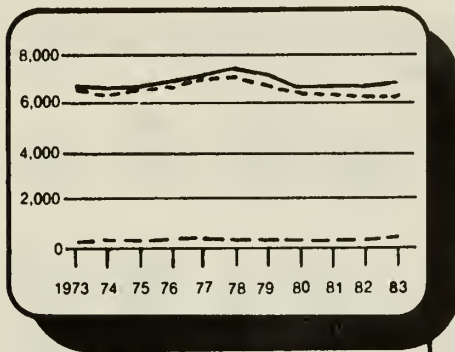
Total may not equal sum of components due to independent rounding.

Geographic coverage: The 50 United States and the District of Columbia.

Source: See the last page of this section.

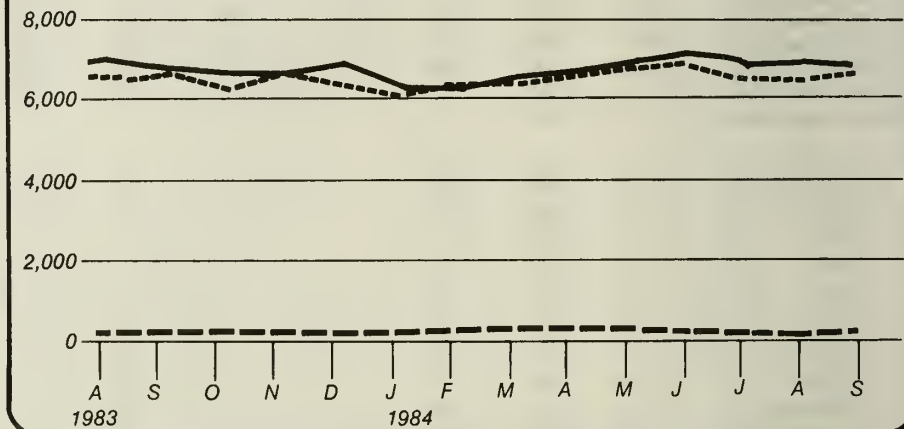
Motor Gasoline Supply and Disposition

(Thousand Barrels Per Day)



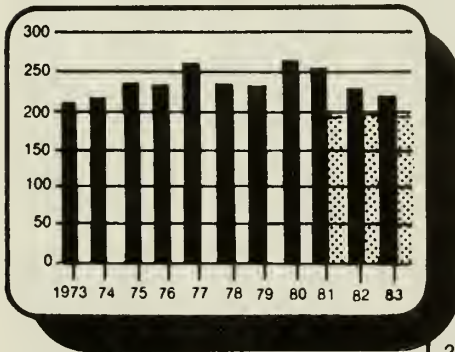
Annual

Legend
 — Product Supplied
 - - - Finished Gasoline Production
 . . . Finished Gasoline Imports



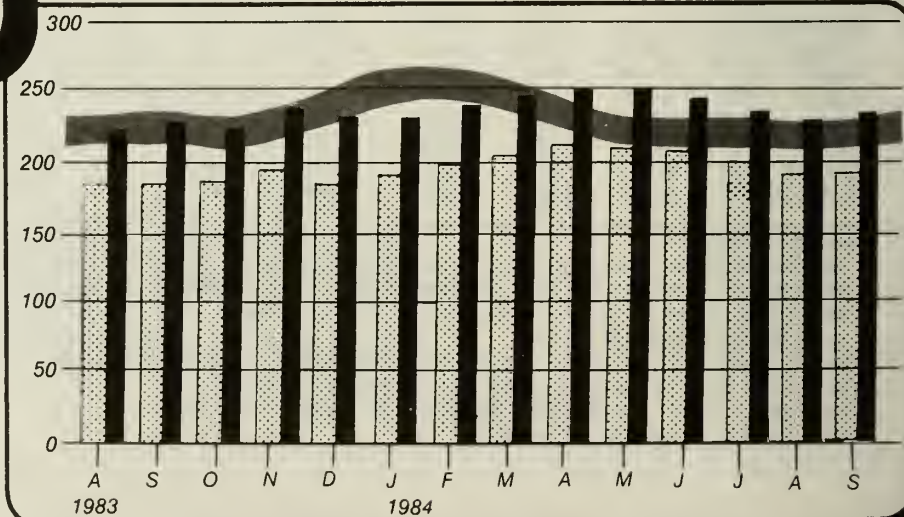
Motor Gasoline Ending Stocks

(Million Barrels)



Annual

Legend
 ■ Total Motor Gasoline¹
 ■ Finished Motor Gasoline
 ■ Average Stock Range²



¹ Includes motor gasoline blending components and finished motor gasoline.

² Level and width of Average Stock Range for total motor gasoline based on 3 years of data, Jul. 81-Jun. 84. See Explanatory Note 6.

Finished Motor Gasoline Supply and Disposition

| | | Supply | | | Disposition | | | | Ending Stocks ¹ | |
|------|----------------------|--------------------------|----------------------|---|------------------|-------------------|-----------------------|----------|---|-------------------------------|
| | | Total Produc- tion | Imports ² | Stock With- drawal ^{2 3} | Exports | Products Supplied | | | Total Motor Gasoline ⁵ | Finished Motor Gasoline |
| | | | | | | Total | Unleaded ⁴ | Unleaded | | |
| | | | | | | | | | Thousand Barrels per Day | |
| 1973 | Average | 6,535 | 134 | 9 | 4 | 6,674 | NA | NA | 209 | |
| 1974 | Average | 6,360 | 204 | -24 | 2 | 6,537 | NA | NA | ⁶ 218 | |
| 1975 | Average | 6,520 | 184 | ⁶ -28 | 2 | 6,675 | NA | NA | 235 | |
| 1976 | Average | 6,841 | 131 | 10 | 3 | 6,978 | NA | NA | 231 | |
| 1977 | Average | 7,033 | 217 | -72 | 2 | 7,177 | 1,976 | 27.5 | 258 | |
| 1978 | Average | 7,169 | 190 | 54 | 1 | 7,412 | 2,521 | 34.0 | 238 | |
| 1979 | Average | 6,852 | 181 | 2 | (^s) | 7,034 | 2,798 | 39.8 | 237 | |
| 1980 | Average | 6,506 | 140 | -66 | 1 | 6,579 | 3,067 | 46.6 | ⁶ 261 | |
| 1981 | Average ⁷ | 6,405 | 157 | ⁶ 28 | 2 | 6,588 | 3,264 | 49.5 | 253 | |
| 1982 | January | 6,167 | 128 | -316 | 18 | 5,961 | 3,067 | 51.5 | 261 | 213 |
| | February | 5,899 | 133 | 172 | 8 | 6,196 | 3,210 | 51.8 | 257 | 208 |
| | March | 5,994 | 183 | 334 | 44 | 6,466 | 3,358 | 51.9 | 247 | 198 |
| | April | 6,095 | 185 | 650 | 33 | 6,897 | 3,495 | 50.7 | 221 | 179 |
| | May | 6,319 | 182 | 177 | 23 | 6,655 | 3,415 | 51.3 | 214 | 173 |
| | June | 6,754 | 230 | -134 | 14 | 6,835 | 3,565 | 52.2 | 219 | 177 |
| | July | 6,768 | 225 | -178 | 24 | 6,790 | 3,577 | 52.7 | 226 | 183 |
| | August | 6,419 | 291 | -81 | 16 | 6,614 | 3,526 | 53.3 | 227 | 185 |
| | September | 6,527 | 223 | -198 | 22 | 6,531 | 3,404 | 52.1 | 234 | 191 |
| | October | 6,262 | 185 | -42 | 15 | 6,391 | 3,351 | 52.4 | 234 | 192 |
| | November | 6,273 | 211 | 101 | 11 | 6,574 | 3,451 | 52.5 | 230 | 189 |
| | December | 6,542 | 178 | -165 | 7 | 6,549 | 3,485 | 53.2 | ⁶ 235 | ⁶ 194 |
| | Average | 6,338 | 197 | 25 | 20 | 6,539 | 3,409 | 52.1 | | |
| 1983 | January | 6,065 | 153 | ⁶ -167 | (^s) | 6,051 | 3,364 | 55.6 | 250 | 207 |
| | February | 5,848 | 128 | 24 | (^s) | 6,000 | 3,264 | 54.4 | 250 | 207 |
| | March | 5,906 | 186 | 768 | 23 | 6,836 | 3,622 | 53.0 | 223 | 183 |
| | April | 6,201 | 255 | -3 | 1 | 6,452 | 3,492 | 54.1 | 221 | 183 |
| | May | 6,397 | 305 | -83 | 1 | 6,617 | 3,558 | 53.8 | 223 | 185 |
| | June | 6,655 | 277 | 84 | 22 | 6,994 | 3,792 | 54.2 | 223 | 183 |
| | July | 6,707 | 302 | -225 | 18 | 6,765 | 3,746 | 55.4 | 231 | 190 |
| | August | 6,537 | 250 | 161 | 13 | 6,936 | 3,836 | 55.3 | 226 | 185 |
| | September | 6,611 | 279 | -149 | 14 | 6,727 | 3,691 | 54.9 | 229 | 189 |
| | October | 6,188 | 330 | 72 | 2 | 6,588 | 3,711 | 56.3 | 227 | 187 |
| | November | 6,634 | 269 | -298 | 2 | 6,603 | 3,692 | 55.9 | 236 | 196 |
| | December | 6,308 | 224 | 339 | 25 | 6,846 | 3,966 | 57.9 | 222 | 186 |
| | Average | 6,340 | 247 | 45 | 10 | 6,622 | 3,647 | 55.1 | | |
| 1984 | January | 6,037 | 233 | -1 | 1 | 6,268 | 3,606 | 57.5 | 225 | 186 |
| | February | 6,320 | 303 | -384 | 2 | 6,237 | 3,585 | 57.5 | 237 | 197 |
| | March | 6,375 | 343 | -197 | 9 | 6,512 | 3,747 | 57.5 | 243 | 203 |
| | April | 6,528 | 308 | -153 | (^s) | 6,682 | 3,854 | 57.7 | 248 | 207 |
| | May | 6,650 | 329 | -106 | (^s) | 6,873 | 3,990 | 58.1 | 253 | 211 |
| | June | 6,620 | 272 | 217 | 17 | 7,092 | 4,210 | 59.4 | 245 | 204 |
| | July | 6,481 | 247 | 130 | 9 | 6,849 | 4,094 | 59.8 | 239 | 200 |
| | August* | R 6,436 | R 243 | R 437 | 1 | R 7,114 | 4,263 | 59.9 | R 225 | R 187 |
| | September** | 6,573 | 299 | -22 | NA | 6,838 | NA | NA | 229 | 191 |
| | Average | 6,446 | 286 | -6 | NA | 6,720 | NA | NA | | |

¹ Stocks are totals as of end of period.

² Beginning in 1981, excludes blending components.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Includes gasohol.

⁵ Includes motor gasoline blending components.

⁶ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁷ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.3.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

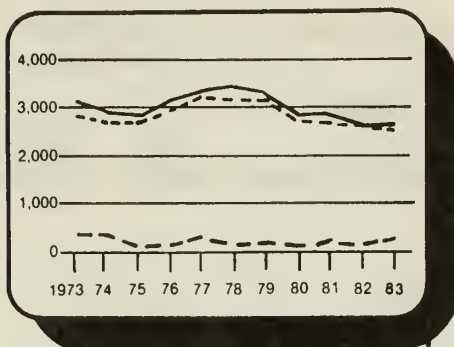
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

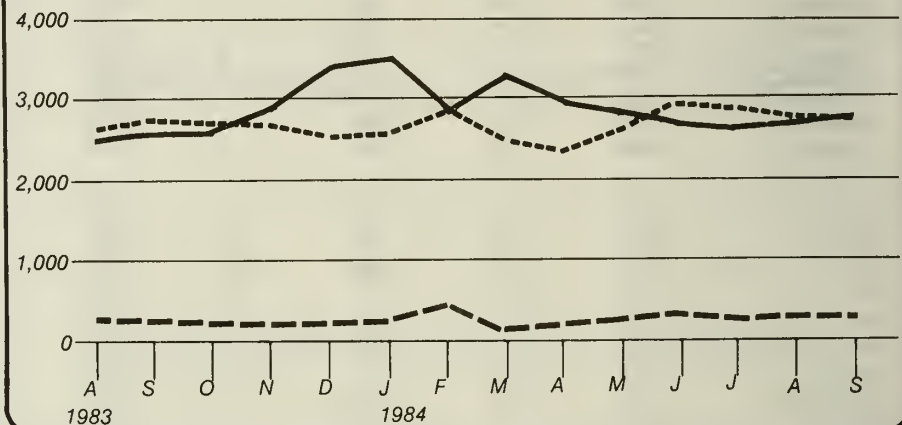
Distillate Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



Annual

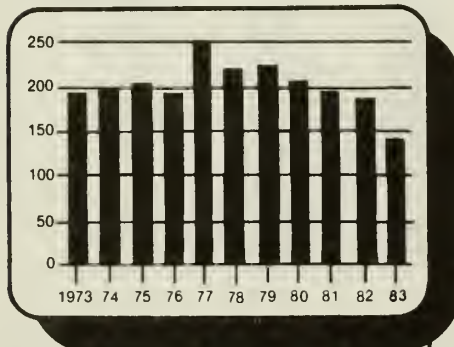
Legend
 — Product Supplied
 - - - Total Production
 . . . Imports



Monthly

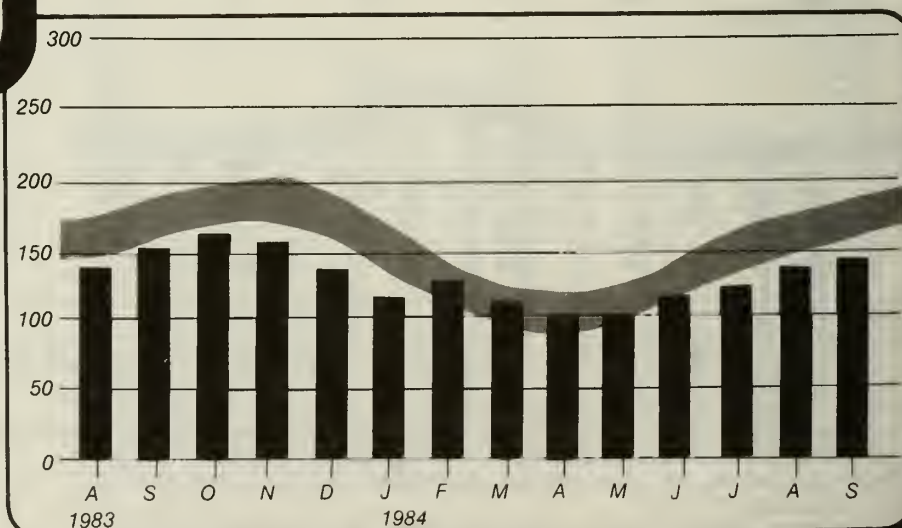
Distillate Fuel Oil Ending Stocks

(Million Barrels)



Annual

Legend
 ■ Average Stock Range ¹



Monthly

¹ Level and width of Average Stock Range for distillate fuel oil is based on 3 years on data. Jul. 81-Jun. 84. See Explanatory Note 6.

Distillate Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 2,822 | 392 | -115 | 2 | 9 | 3,092 | 196 |
| 1974 | Average | 2,669 | 289 | -9 | 2 | 2 | 2,948 | ⁴ 200 |
| 1975 | Average | 2,654 | 155 | ⁴ 40 | 2 | 1 | 2,851 | 209 |
| 1976 | Average | 2,924 | 146 | 62 | 1 | 1 | 3,133 | 186 |
| 1977 | Average | 3,278 | 250 | -176 | 1 | 1 | 3,352 | 250 |
| 1978 | Average | 3,167 | 173 | 93 | 1 | 3 | 3,432 | 216 |
| 1979 | Average | 3,153 | 193 | -34 | 1 | 3 | 3,311 | 229 |
| 1980 | Average | 2,662 | 142 | 64 | 1 | 3 | 2,866 | ⁴ 205 |
| 1981 | Average ⁵ | 2,613 | 173 | ⁴ 38 | 10 | 5 | 2,829 | 192 |
| 1982 | January | 2,606 | 97 | 876 | 10 | 90 | 3,484 | 164 |
| | February | 2,427 | 132 | 605 | 11 | 90 | 3,085 | 147 |
| | March | 2,288 | 48 | 682 | 10 | 84 | 2,945 | 126 |
| | April | 2,358 | 59 | 612 | 13 | 64 | 2,978 | 108 |
| | May | 2,618 | 74 | -183 | 10 | 75 | 2,444 | 114 |
| | June | 2,729 | 102 | -335 | 10 | 55 | 2,452 | 124 |
| | July | 2,734 | 125 | -789 | 11 | 24 | 2,058 | 148 |
| | August | 2,507 | 80 | -339 | 10 | 40 | 2,218 | 159 |
| | September | 2,657 | 61 | -85 | 12 | 139 | 2,507 | 161 |
| | October | 2,838 | 91 | -289 | 8 | 66 | 2,581 | 170 |
| | November | 2,860 | 145 | -514 | 8 | 24 | 2,475 | 186 |
| | December | 2,655 | 109 | 225 | 10 | 143 | 2,855 | ⁴ 179 |
| | Average | 2,606 | 93 | 35 | 10 | 74 | 2,671 | |
| 1983 | January | 2,321 | 68 | ⁴ 580 | NA | 173 | 2,797 | 168 |
| | February | 2,135 | 59 | 691 | NA | 105 | 2,780 | 148 |
| | March | 1,993 | 42 | 971 | NA | 59 | 2,947 | 118 |
| | April | 2,171 | 73 | 500 | NA | 47 | 2,697 | 103 |
| | May | 2,444 | 147 | -186 | NA | 50 | 2,354 | 109 |
| | June | 2,546 | 179 | -161 | NA | 40 | 2,524 | 114 |
| | July | 2,604 | 267 | -546 | NA | 55 | 2,270 | 131 |
| | August | 2,615 | 301 | -379 | NA | 43 | 2,495 | 142 |
| | September | 2,739 | 259 | -386 | NA | 37 | 2,575 | 154 |
| | October | 2,681 | 260 | -276 | NA | 55 | 2,611 | 163 |
| | November | 2,680 | 203 | 45 | NA | 54 | 2,874 | 161 |
| | December | 2,522 | 221 | 676 | NA | 54 | 3,365 | 140 |
| | Average | 2,456 | 174 | 124 | NA | 64 | 2,690 | |
| 1984 | January | 2,585 | 270 | 676 | NA | 40 | 3,490 | 119 |
| | February | 2,864 | 458 | -439 | NA | 41 | 2,842 | 132 |
| | March | 2,480 | 115 | 727 | NA | 66 | 3,256 | 110 |
| | April | 2,347 | 220 | 393 | NA | 32 | 2,929 | 98 |
| | May | 2,633 | 252 | -10 | NA | 48 | 2,827 | 98 |
| | June | 2,879 | 266 | -490 | NA | 53 | 2,602 | 113 |
| | July | 2,736 | 198 | -375 | NA | 40 | 2,518 | 125 |
| | August* | R 2,678 | R 263 | R -291 | NA | 74 | R 2,575 | R 134 |
| | September** | 2,714 | 272 | -193 | NA | NA | 2,747 | 142 |
| | Average | 2,656 | 256 | 4 | NA | NA | 2,866 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

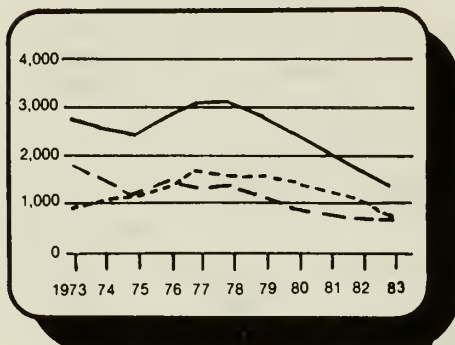
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

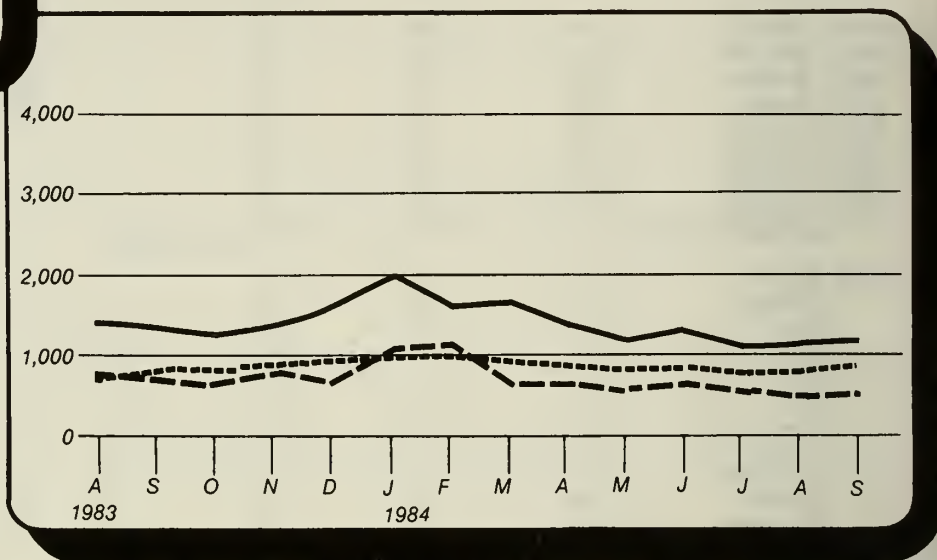
Residual Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



Annual

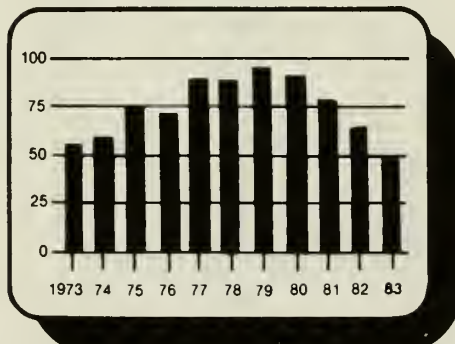
Legend
 — Product Supplied
 - - - Total Production
 . . . Imports



Monthly

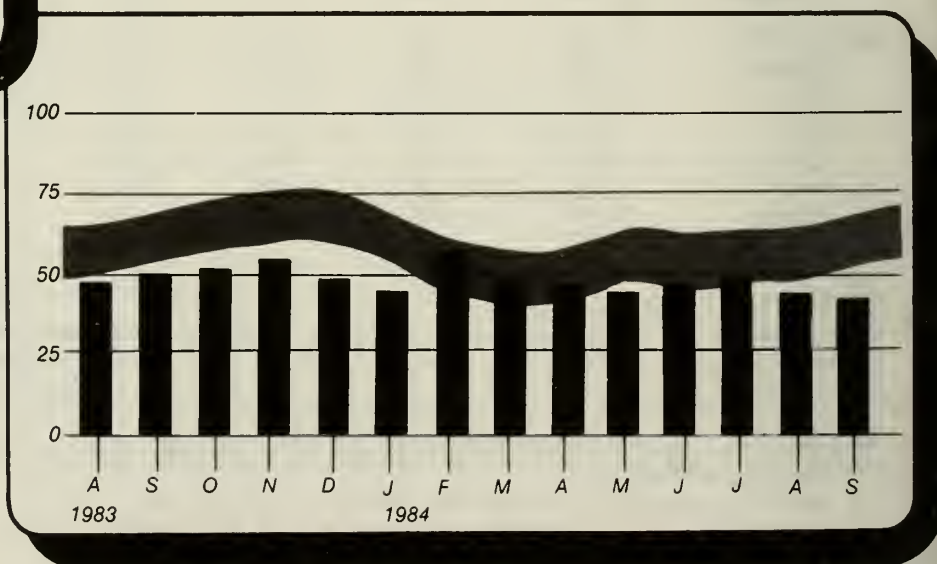
Residual Fuel Oil Ending Stocks

(Million Barrels)



Annual

Legend
 ■ Average Stock Range¹



Monthly

¹ Level and width of Average Stock Range for residual fuel oil based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.

Residual Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 971 | 1,853 | 5 | 17 | 23 | 2,822 | 53 |
| 1974 | Average | 1,070 | 1,587 | -17 | 13 | 14 | 2,639 | ⁴ 60 |
| 1975 | Average | 1,235 | 1,223 | ⁴ 2 | 15 | 15 | 2,462 | 74 |
| 1976 | Average | 1,377 | 1,413 | 5 | 17 | 12 | 2,801 | 72 |
| 1977 | Average | 1,754 | 1,359 | -48 | 13 | 6 | 3,071 | 90 |
| 1978 | Average | 1,667 | 1,355 | -1 | 13 | 13 | 3,023 | 90 |
| 1979 | Average | 1,687 | 1,151 | -15 | 12 | 9 | 2,826 | 96 |
| 1980 | Average | 1,580 | 939 | 10 | 12 | 33 | 2,508 | ⁴ 92 |
| 1981 | Average ⁵ | 1,321 | 800 | ⁴ 37 | 48 | 118 | 2,088 | 78 |
| 1982 | January | 1,235 | 831 | 301 | 53 | 235 | 2,185 | 69 |
| | February | 1,186 | 956 | 363 | 53 | 213 | 2,344 | 58 |
| | March | 1,123 | 912 | 12 | 53 | 197 | 1,903 | 58 |
| | April | 1,166 | 788 | 150 | 52 | 234 | 1,923 | 54 |
| | May | 1,128 | 742 | -172 | 52 | 191 | 1,560 | 59 |
| | June | 1,074 | 652 | -57 | 50 | 217 | 1,501 | 61 |
| | July | 1,028 | 657 | 56 | 49 | 239 | 1,550 | 59 |
| | August | 965 | 551 | 203 | 47 | 235 | 1,531 | 53 |
| | September | 1,008 | 872 | -306 | 44 | 148 | 1,470 | 62 |
| | October | 955 | 783 | -57 | 43 | 234 | 1,490 | 64 |
| | November | 989 | 837 | -94 | 43 | 182 | 1,591 | 66 |
| | December | 989 | 747 | 6 | 43 | 186 | 1,598 | ⁴ 66 |
| | Average | 1,070 | 776 | 32 | 48 | 209 | 1,716 | |
| 1983 | January | 972 | 691 | ⁴ 258 | NA | 294 | 1,626 | 61 |
| | February | 857 | 647 | 257 | NA | 191 | 1,570 | 53 |
| | March | 835 | 686 | 227 | NA | 169 | 1,579 | 46 |
| | April | 941 | 753 | -10 | NA | 310 | 1,374 | 47 |
| | May | 936 | 738 | -141 | NA | 190 | 1,342 | 51 |
| | June | 828 | 677 | 36 | NA | 218 | 1,323 | 50 |
| | July | 769 | 684 | -64 | NA | 90 | 1,299 | 52 |
| | August | 710 | 739 | 115 | NA | 165 | 1,400 | 48 |
| | September | 826 | 706 | -47 | NA | 134 | 1,351 | 50 |
| | October | 807 | 638 | -50 | NA | 153 | 1,243 | 51 |
| | November | 845 | 780 | -97 | NA | 167 | 1,362 | 54 |
| | December | 897 | 649 | 182 | NA | 141 | 1,587 | 49 |
| | Average | 852 | 699 | 55 | NA | 185 | 1,421 | |
| 1984 | January | 953 | 1,061 | 119 | NA | 151 | 1,981 | 45 |
| | February | 1,003 | 1,107 | -420 | NA | 87 | 1,602 | 58 |
| | March | 887 | 633 | 321 | NA | 204 | 1,637 | 48 |
| | April | 840 | 637 | 9 | NA | 130 | 1,357 | 47 |
| | May | 829 | 554 | 35 | NA | 200 | 1,218 | 46 |
| | June | 841 | 676 | -17 | NA | 176 | 1,324 | 47 |
| | July | 792 | 596 | -77 | NA | 99 | 1,213 | 49 |
| | August* | R 808 | R 572 | R 146 | NA | 260 | R 1,266 | R 45 |
| | September** | 872 | 548 | -30 | NA | NA | 1,257 | 44 |
| | Average | 868 | 707 | 13 | NA | NA | 1,428 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (⁵) = Less than 500 barrels per day.

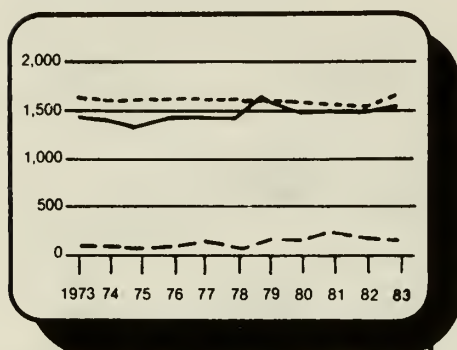
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

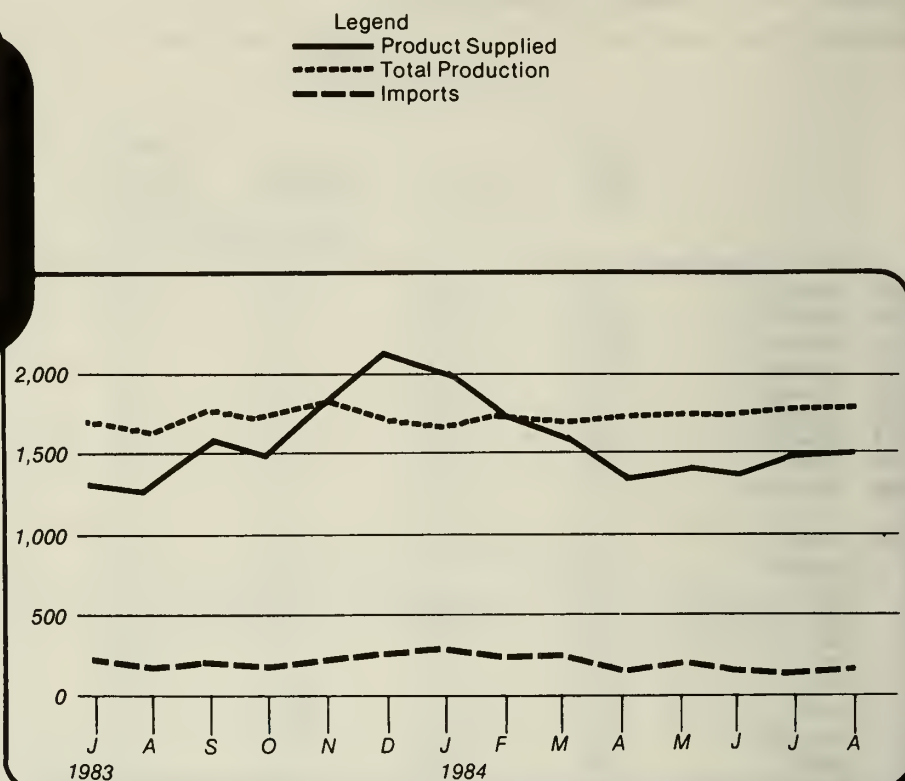
Source: See the last page of this section.

Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels Per Day)



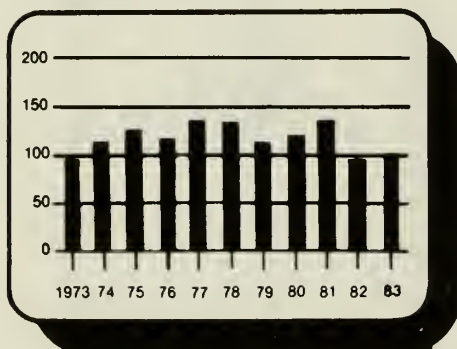
Annual



Monthly

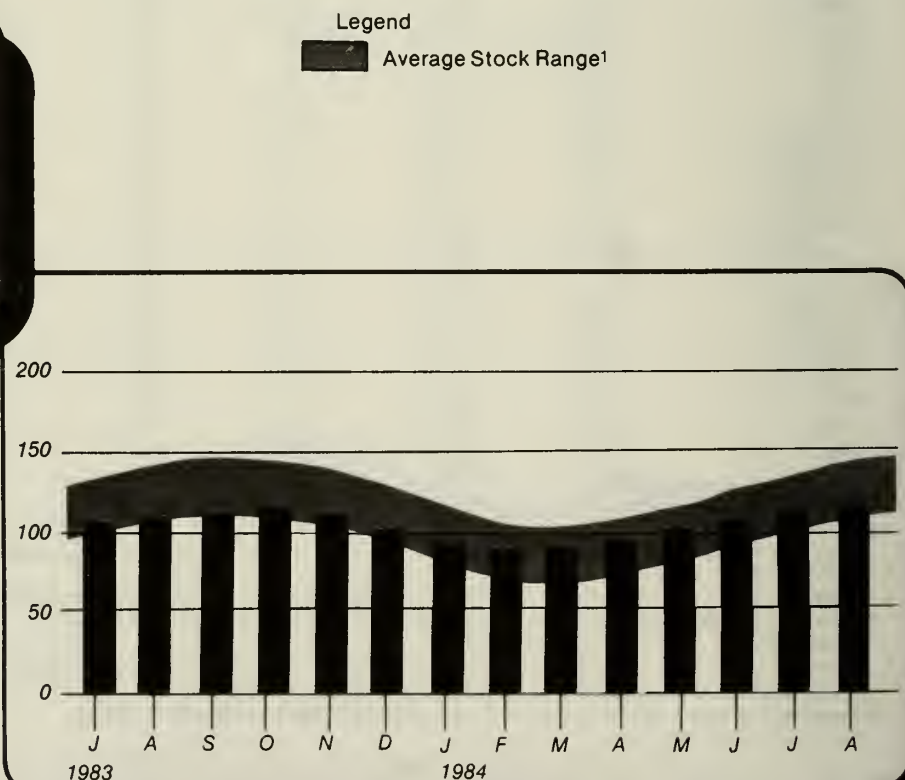
Liquefied Petroleum Gases Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Ranges for liquefied petroleum gas based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Liquefied Petroleum Gases¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 1,600 | 132 | -35 | 220 | 27 | 1,449 | 99 |
| 1974 | Average | 1,565 | 123 | -38 | 220 | 25 | 1,406 | ⁴ 113 |
| 1975 | Average | 1,527 | 112 | ⁴ -35 | 246 | 26 | 1,333 | 125 |
| 1976 | Average | 1,535 | 130 | 24 | 260 | 25 | 1,404 | 116 |
| 1977 | Average | 1,566 | 161 | -55 | 233 | 18 | 1,422 | 136 |
| 1978 | Average | 1,537 | 123 | 12 | 239 | 20 | 1,413 | 132 |
| 1979 | Average | 1,556 | 217 | 70 | 236 | 15 | 1,592 | 111 |
| 1980 | Average | 1,535 | 216 | -27 | 233 | 21 | 1,469 | ⁴ 120 |
| 1981 | Average | 1,571 | 244 | ⁴ -18 | 289 | 42 | 1,466 | 135 |
| | | | | | | | | |
| 1982 | January | 1,565 | 314 | 443 | 391 | 67 | 1,863 | 121 |
| | February | 1,466 | 291 | 243 | 327 | 51 | 1,621 | 114 |
| | March | 1,544 | 223 | 211 | 289 | 74 | 1,615 | 108 |
| | April | 1,506 | 188 | 98 | 257 | 77 | 1,458 | 105 |
| | May | 1,565 | 186 | -71 | 234 | 43 | 1,403 | 107 |
| | June | 1,515 | 192 | -86 | 262 | 106 | 1,254 | 109 |
| | July | 1,476 | 227 | -13 | 253 | 37 | 1,399 | 110 |
| | August | 1,511 | 125 | -45 | 254 | 61 | 1,276 | 111 |
| | September | 1,538 | 247 | 37 | 274 | 85 | 1,463 | 110 |
| | October | 1,517 | 194 | 97 | 306 | 81 | 1,421 | 107 |
| | November | 1,542 | 267 | 175 | 363 | 37 | 1,583 | 102 |
| | December | 1,580 | 258 | 256 | 395 | 56 | 1,642 | ⁴ 94 |
| | Average | 1,528 | 226 | 111 | 300 | 65 | 1,499 | |
| | | | | | | | | |
| 1983 | January | 1,611 | 240 | ⁴ 520 | 313 | 118 | 1,939 | 86 |
| | February | 1,600 | 305 | 128 | 244 | 76 | 1,713 | 82 |
| | March | 1,543 | 166 | -9 | 197 | 127 | 1,377 | 82 |
| | April | 1,607 | 124 | -156 | 198 | 116 | 1,260 | 87 |
| | May | 1,613 | 167 | -225 | 207 | 84 | 1,263 | 94 |
| | June | 1,664 | 172 | -334 | 203 | 59 | 1,241 | 104 |
| | July | 1,656 | 191 | -221 | 217 | 55 | 1,354 | 111 |
| | August | 1,586 | 160 | -199 | 229 | 29 | 1,289 | 117 |
| | September | 1,705 | 178 | -30 | 236 | 86 | 1,531 | 118 |
| | October | 1,688 | 160 | -81 | 268 | 32 | 1,467 | 120 |
| | November | 1,785 | 180 | 70 | 362 | 33 | 1,640 | 118 |
| | December | 1,645 | 247 | 575 | 363 | 66 | 2,038 | ⁴ 101 |
| | Average | 1,642 | 190 | 4 | 253 | 73 | 1,509 | |
| | | | | | | | | |
| 1984 | January | 1,610 | 269 | ⁴ 470 | 333 | 23 | 1,993 | 93 |
| | February | 1,690 | 237 | 146 | 323 | 41 | 1,708 | 89 |
| | March | 1,685 | 241 | 12 | 289 | 68 | 1,581 | 89 |
| | April | 1,711 | 155 | -170 | 253 | 54 | 1,389 | 94 |
| | May | 1,709 | 211 | -221 | 244 | 42 | 1,412 | 101 |
| | June | 1,714 | 158 | -189 | 237 | 53 | 1,394 | 106 |
| | July | 1,750 | 132 | -138 | 232 | 43 | 1,469 | 111 |
| | August* | 1,744 | 154 | -132 | 241 | 34 | 1,491 | 115 |
| | Average | 1,702 | 195 | -28 | 269 | 45 | 1,555 | |

¹ Includes ethane, propane, normal butane, and isobutane.

Beginning in January 1984, unfractionated stream is reported by individual product.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.5.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Other Petroleum Products¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 3,693 | 502 | -9 | 750 | 166 | 3,270 | 208 |
| 1974 | Average | 3,558 | 432 | -28 | 665 | 174 | 3,123 | ⁴ 218 |
| 1975 | Average | 3,424 | 277 | ⁴ -2 | 537 | 160 | 3,002 | 219 |
| 1976 | Average | 3,643 | 206 | -5 | 524 | 175 | 3,145 | 220 |
| 1977 | Average | 3,912 | 205 | -27 | 514 | 165 | 3,410 | 230 |
| 1978 | Average | 4,046 | 166 | 14 | 492 | 167 | 3,568 | 225 |
| 1979 | Average | 4,153 | 195 | -37 | 352 | 209 | 3,749 | 238 |
| 1980 | Average | 3,956 | 210 | -23 | 311 | 198 | 3,634 | ⁴ 247 |
| 1981 | Average | 3,739 | 226 | ⁴ 46 | 723 | 199 | 3,088 | 282 |
| | | | | | | | | |
| 1982 | January | 3,171 | 269 | -7 | 624 | 180 | 2,631 | 282 |
| | February | 3,403 | 305 | -153 | 663 | 138 | 2,755 | 287 |
| | March | 3,466 | 243 | -191 | 725 | 161 | 2,631 | 293 |
| | April | 3,408 | 309 | 73 | 796 | 204 | 2,790 | 290 |
| | May | 3,317 | 318 | 184 | 824 | 210 | 2,785 | 285 |
| | June | 3,547 | 315 | 123 | 812 | 216 | 2,954 | 281 |
| | July | 3,660 | 408 | -1 | 856 | 187 | 3,023 | 281 |
| | August | 3,583 | 346 | 217 | 743 | 202 | 3,201 | 274 |
| | September | 3,533 | 375 | 105 | 749 | 213 | 3,051 | 271 |
| | October | 3,529 | 383 | 244 | 915 | 266 | 2,976 | 264 |
| | November | 3,498 | 423 | -28 | 837 | 269 | 2,786 | 264 |
| | December | 3,324 | 313 | 366 | 885 | 275 | 2,842 | ⁴ 253 |
| | Average | 3,453 | 334 | 80 | 787 | 211 | 2,869 | |
| | | | | | | | | |
| 1983 | January | 3,194 | 322 | ⁴ -419 | 588 | 271 | 2,239 | 271 |
| | February | 3,229 | 321 | 12 | 673 | 232 | 2,658 | 270 |
| | March | 3,381 | 319 | -147 | 572 | 249 | 2,732 | 275 |
| | April | 3,299 | 404 | -24 | 592 | 247 | 2,840 | 276 |
| | May | 3,405 | 374 | 35 | 705 | 242 | 2,866 | 275 |
| | June | 3,610 | 444 | 96 | 717 | 292 | 3,144 | 272 |
| | July | 3,636 | 425 | 148 | 735 | 209 | 3,265 | 267 |
| | August | 3,695 | 482 | 30 | 668 | 242 | 3,297 | 266 |
| | September | 3,792 | 497 | -6 | 788 | 236 | 3,255 | 266 |
| | October | 3,578 | 424 | -107 | 711 | 195 | 2,990 | 270 |
| | November | 3,568 | 441 | 95 | 912 | 238 | 2,957 | 267 |
| | December | 3,123 | 479 | 361 | 883 | 257 | 2,823 | ⁴ 256 |
| | Average | 3,460 | 411 | 6 | 712 | 242 | 2,923 | |
| | | | | | | | | |
| 1984 | January | 3,391 | 486 | ⁴ -177 | 561 | 207 | 2,931 | 253 |
| | February | 3,582 | 586 | -256 | 751 | 225 | 2,935 | 261 |
| | March | 3,510 | 466 | -218 | 530 | 258 | 2,969 | 268 |
| | April | 3,584 | 582 | -207 | 627 | 268 | 3,063 | 274 |
| | May | 3,683 | 642 | -118 | 775 | 257 | 3,175 | 277 |
| | June | 3,863 | 521 | 404 | 1,229 | 343 | 3,213 | 265 |
| | July | 3,866 | 567 | 278 | 1,034 | 238 | 3,438 | 257 |
| | August* | 3,855 | 561 | 24 | 648 | 172 | 3,621 | 256 |
| | Average | 3,667 | 551 | -34 | 768 | 246 | 3,170 | |

¹ Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.6.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Sources

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*.
2. 1977 through 1980: Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report*.
3. January 1981 through December 1983: EIA, *Petroleum Supply Annual*.
4. January 1984 through August 1984: Detailed statistics in appropriate issues of the *Petroleum Supply Monthly*. (See Explanatory Notes 9.1 through 9.6).
5. September 1984: Estimates based on EIA weekly data (except domestic crude oil production) (see Explanatory Note 1.1).
6. January 1984 through September 1984: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies and the U.S. Geological Survey. (See Explanatory Note 3).

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Detailed Statistics



1871



U.S. Petroleum Balance, August 1984

| | Current Month | | Year-to-date | |
|--|------------------|--------------------------|------------------|--------------------------|
| | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| Crude Oil (Including Lease Condensate) | | | | |
| Field Production | E 53,478 | 1,725 | E 427,772 | 1,753 |
| Alaska | E 218,736 | 7,056 | E 1,702,233 | 6,976 |
| Lower 48 States | E 272,214 | 8,781 | E 2,130,005 | 8,730 |
| Total U.S. | | | | |
| Imports | 94,972 | 3,064 | 775,762 | 3,179 |
| Imports (Gross Excluding SPR) | 5,581 | 180 | 50,985 | 209 |
| PR Imports | 5,886 | 190 | 45,219 | 185 |
| Exports | 94,666 | 3,054 | 781,528 | 3,203 |
| Imports (Net Including SPR) | | | | |
| Other Sources | -5,563 | -179 | -50,378 | -206 |
| PR Withdrawal (+) or Addition (-) | 13,307 | 429 | 8,257 | 34 |
| Other Stock Withdrawal (+) or Addition (-) | -2,000 | -65 | -15,634 | -64 |
| Product Supplied and Losses | 11,881 | 383 | 89,521 | 367 |
| Unaccounted for 1 | 17,625 | 569 | 31,766 | 130 |
| Total Other Sources | 384,505 | 12,403 | 2,943,299 | 12,063 |
| Crude Input to Refineries | | | | |
| = (3) + (7) + (12) | | | | |
| Natural Gas Plant Liquids (NGPL) | | | | |
| Field Production | 51,543 | 1,663 | 395,053 | 1,619 |
| Net Imports 2 | 1,738 | 56 | 9,689 | 40 |
| Stock Withdrawal (+) or Addition (-) 2 | 421 | 14 | -1,783 | -7 |
| Total NGPL Supply | 53,702 | 1,732 | 402,959 | 1,651 |
| Other Liquids | | | | |
| Unfinished Oils and Gasoline Blending Components, Total | -116 | -4 | -98 | 0 |
| Stock Withdrawal (+) or Addition (-) | 7,886 | 254 | 75,179 | 308 |
| Imports | 1,004 | 32 | 11,602 | 48 |
| Other Hydrocarbons and Alcohol New Supply (Field Production) | 16,487 | 532 | 134,047 | 549 |
| Refinery Processing Gain 1 | 1,960 | 63 | 15,291 | 63 |
| Crude Oil Product Supplied | 27,221 | 878 | 236,021 | 967 |
| Total Other Liquids | | | | |
| (23) = (18) through (22) | 465,428 | 15,014 | 3,582,279 | 14,681 |
| Total Production of Products 3 | | | | |
| = (13) + (17) + (23) | | | | |
| Imports of Refined Products 3 | | | | |
| Imports (Gross) | 45,878 | 1,480 | 405,187 | 1,661 |
| Exports | 16,729 | 540 | 123,529 | 506 |
| Imports (Net) | 29,149 | 940 | 281,658 | 1,154 |
| Total New Supply of Products | 494,577 | 15,954 | 3,863,937 | 15,836 |
| = (24) + (27) | | | | |
| Refined Products Stock Withdrawal (+) or Addition (-) 3 | 5,440 | 175 | -2,978 | -12 |
| Total Petroleum Products Supplied for Domestic Use | 500,017 | 16,130 | 3,860,960 | 15,824 |
| = (28) + (29) | | | | |
| Finished Motor Gasoline | 220,549 | 7,114 | 1,636,187 | 6,706 |
| Distillate Fuel Oil | 79,823 | 2,575 | 703,007 | 2,881 |
| Residual Fuel Oil | 39,232 | 1,266 | 353,602 | 1,449 |
| Liquefied Petroleum Gases | 46,217 | 1,491 | 379,325 | 1,555 |
| Other 4 | 112,236 | 3,621 | 773,548 | 3,170 |
| Crude Oil | 1,960 | 63 | 15,291 | 63 |
| Total Product Supplied | 500,017 | 16,130 | 3,860,960 | 15,824 |
| (37) = (31) through (36) | | | | |
| Ending Stocks, All Oils | | | | |
| Crude Oil and Lease Condensate (Excluding SPR) | 334,919 | -- | 334,919 | -- |
| Strategic Petroleum Reserve (SPR) | 429,467 | -- | 429,467 | -- |
| Unfinished Oils | 106,056 | -- | 106,056 | -- |
| Gasoline Blending Components 5 | 39,062 | -- | 39,062 | -- |
| Pentanes Plus | 10,548 | -- | 10,548 | -- |
| Finished Refined Products 3 | 580,028 | -- | 580,028 | -- |
| Total Stocks | 1,500,080 | -- | 1,500,080 | -- |

balancing item.
 1 includes products in the pentanes plus category only.
 2 or products included see Explanatory Note 9.7.
 3 includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
 4 includes other hydrocarbons and alcohol.
 5 Estimated.
 -- Not Applicable.
 Note: Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes 1, 2 and 9.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, August 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | |
|---|------------------|---------------------|----------------|--------------------------------------|--|--------------|-----------------|---------------|-------------------|------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (Including lease condensate) | E 272,214 | 0 | 100,552 | 7,744 | 11,881 | 40 | 384,505 | 5,886 | 1,960 | 764,386 |
| Natural Gas Liquids and LRGs | 51,436 | 12,188 | 6,578 | -3,656 | 0 | 0 | 14,093 | 1,129 | 51,325 | 125,126 |
| Pentanes Plus | 9,557 | 0 | 1,814 | 421 | 0 | 0 | 6,608 | 76 | 5,108 | 10,548 |
| Liquefied Petroleum Gases | 41,879 | 12,188 | 4,765 | -4,077 | 0 | 0 | 7,485 | 1,053 | 46,217 | 114,578 |
| Ethane | 15,952 | 695 | 1,624 | -101 | 0 | 0 | 67 | 152 | 17,951 | 20,772 |
| Propane | 16,276 | 8,885 | 1,831 | -3,178 | 0 | 0 | 104 | 576 | 23,134 | 62,245 |
| Normal Butane | 6,487 | 2,854 | 786 | -918 | 0 | 0 | 3,573 | 249 | 5,187 | 22,132 |
| Isobutane | 3,164 | -46 | 524 | 120 | 0 | 0 | 3,741 | 76 | -55 | 9,429 |
| Other Liquids | 1,004 | 0 | 7,886 | -116 | 0 | 0 | 13,479 | 0 | -4,705 | 145,118 |
| Other Hydrocarbons and Alcohol | 1,004 | 0 | 0 | 30 | 0 | 0 | 1,034 | 0 | 0 | 328 |
| Unfinished Oils | 0 | 0 | 5,360 | -74 | 0 | 0 | 9,364 | 0 | -4,078 | 106,056 |
| Motor Gasoline Blending Components | 0 | 0 | 2,526 | -151 | 0 | 0 | 3,006 | 0 | -631 | 38,523 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 79 | 0 | 0 | 75 | 0 | 4 | 211 |
| Finished Petroleum Products | 107 | 416,376 | 41,114 | 9,517 | 0 | 0 | 0 | 15,676 | 451,437 | 465,450 |
| Finished Motor Gasoline | 1 | 199,505 | 7,529 | 13,558 | 0 | 0 | 0 | 44 | 220,549 | 186,580 |
| Finished Leaded Motor Gasoline | 1 | 78,313 | 3,010 | 7,128 | 0 | 0 | 0 | 44 | 88,408 | 85,802 |
| Finished Unleaded Motor Gasoline | 0 | 121,192 | 4,519 | 6,430 | 0 | 0 | 0 | 0 | 132,141 | 100,778 |
| Finished Aviation Gasoline | 0 | 944 | 68 | 108 | 0 | 0 | 0 | 0 | 1,120 | 2,403 |
| Naphtha-Type Jet Fuel | 0 | 7,532 | 646 | -202 | 0 | 0 | 0 | 26 | 7,951 | 7,060 |
| Kerosene-Type Jet Fuel | 0 | 30,415 | 2,290 | -1,879 | 0 | 0 | 0 | 52 | 30,774 | 38,582 |
| Kerosene | 0 | 2,713 | 247 | -459 | 0 | 0 | 0 | 4 | 2,497 | 8,487 |
| Distillate Fuel Oil | 42 | 82,964 | 8,155 | -9,033 | 0 | 0 | 0 | 2,305 | 79,823 | 133,540 |
| Residual Fuel Oil | 0 | 25,035 | 17,729 | 4,533 | 0 | 0 | 0 | 8,065 | 39,232 | 44,672 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 3,366 | 1,280 | -36 | 0 | 0 | 0 | 189 | 4,420 | 1,877 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 6,946 | 0 | -149 | 0 | 0 | 0 | 124 | 6,673 | 1,752 |
| Special Naphthas | 0 | 1,683 | 1,543 | 275 | 0 | 0 | 0 | 26 | 3,475 | 2,614 |
| Lubricants | 0 | 5,132 | 331 | -504 | 0 | 0 | 0 | 279 | 4,680 | 12,244 |
| Waxes | 0 | 437 | 32 | 21 | 0 | 0 | 0 | 22 | 468 | 553 |
| Petroleum Coke | 0 | 12,434 | 0 | 134 | 0 | 0 | 0 | 4,459 | 8,109 | 4,769 |
| Asphalt and Road Oil | 0 | 18,061 | 975 | 3,053 | 0 | 0 | 0 | 51 | 22,038 | 18,348 |
| Still Gas | 0 | 17,629 | 0 | 0 | 0 | 0 | 0 | 0 | 17,629 | 0 |
| Miscellaneous Products | 64 | 1,580 | 288 | 97 | 0 | 0 | 0 | 32 | 1,997 | 1,969 |
| Total | 324,761 | 428,564 | 156,131 | 13,489 | 11,881 | 40 | 412,077 | 22,691 | 500,017 | 1,500,080 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 3. Year-to-Date Supply and Disposition of Crude Oil and Petroleum Products, January - August 1984
(Thousand Barrels)

| Commodity | Supply | | | | Unac- counted For Crude Oil ¹ | Disposition | | | | |
|--|--------------------------|-----------------------------|-----------|--|---|-----------------|--------------------|---------|----------------------|------------------|
| | Field Produc- tion | Refinery Produc- tion | Imports | Stock With- drawal (+) or Addi- tion (-) | | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 2,130,005 | 0 | 826,747 | -42,121 | 89,521 | 343 | 2,943,299 | 45,219 | 15,291 | 764,386 |
| Natural Gas Liquids and LRGs | 393,740 | 92,261 | 57,806 | -8,604 | 0 | 0 | 113,965 | 11,550 | 409,687 | 125,126 |
| Pentanes Plus | 70,812 | 0 | 10,338 | -1,783 | 0 | 0 | 48,356 | 649 | 30,362 | 10,548 |
| Liquefied Petroleum Gases | 322,928 | 92,261 | 47,468 | -6,821 | 0 | 0 | 65,609 | 10,902 | 379,325 | 114,578 |
| Ethane | 122,996 | 5,662 | 19,605 | 607 | 0 | 0 | 514 | 1,297 | 147,059 | 20,772 |
| Propane | 126,593 | 68,389 | 14,897 | -6,965 | 0 | 0 | 936 | 6,307 | 195,671 | 62,245 |
| Normal Butane | 49,441 | 18,380 | 7,837 | -1,743 | 0 | 0 | 35,366 | 2,649 | 35,900 | 22,132 |
| Isobutane | 23,898 | -170 | 5,129 | 1,280 | 0 | 0 | 28,793 | 649 | 695 | 9,429 |
| Other Liquids | 11,602 | 0 | 75,179 | -98 | 0 | 0 | 139,100 | 0 | -52,417 | 145,118 |
| Other Hydrocarbons and Alcohol | 11,602 | 0 | 0 | -43 | 0 | 0 | 11,559 | 0 | 0 | 328 |
| Unfinished Oils | 0 | 0 | 57,339 | 1,442 | 0 | 0 | 100,287 | 0 | -41,506 | 106,056 |
| Motor Gasoline Blending Components | 0 | 0 | 17,834 | -1,603 | 0 | 0 | 27,152 | 0 | -10,921 | 38,523 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | 106 | 0 | 0 | 102 | 0 | 10 | 211 |
| Finished Petroleum Products | 1,313 | 3,238,150 | 357,719 | 3,843 | 0 | 0 | 0 | 112,627 | 3,488,398 | 465,450 |
| Finished Motor Gasoline | 497 | 1,568,562 | 69,428 | -1,085 | 0 | 0 | 0 | 1,215 | 1,636,187 | 186,580 |
| Finished Leaded Motor Gasoline | 329 | 640,326 | 31,889 | 8,282 | 0 | 0 | 0 | 1,215 | 679,611 | 85,802 |
| Finished Unleaded Motor Gasoline | 168 | 928,236 | 37,539 | -9,367 | 0 | 0 | 0 | 0 | 956,576 | 100,778 |
| Finished Aviation Gasoline | 0 | 6,249 | 535 | -112 | 0 | 0 | 0 | 0 | 6,672 | 2,403 |
| Naphtha-Type Jet Fuel | 0 | 51,086 | 4,182 | -847 | 0 | 0 | 0 | 200 | 54,221 | 7,060 |
| Kerosene-Type Jet Fuel | 0 | 222,351 | 12,187 | -6,214 | 0 | 0 | 0 | 1,127 | 227,198 | 38,582 |
| Kerosene | 319 | 25,413 | 1,972 | -627 | 0 | 0 | 0 | 23 | 26,744 | 8,487 |
| Distillate Fuel Oil | 0 | 645,978 | 61,931 | 6,862 | 0 | 0 | 0 | 12,083 | 703,007 | 133,540 |
| Residual Fuel Oil | 0 | 211,815 | 177,390 | 4,436 | 0 | 0 | 0 | 40,039 | 353,602 | 44,672 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 31,566 | 7,628 | -165 | 0 | 0 | 0 | 1,621 | 37,408 | 1,877 |
| Other Oils > 400 Deg. for Petro. Feed. Use | -50 | 64,213 | 0 | 5 | 0 | 0 | 0 | 3,469 | 60,749 | 1,752 |
| Special Naphthas | 0 | 13,557 | 14,989 | 539 | 0 | 0 | 0 | 615 | 28,421 | 2,614 |
| Lubricants | 0 | 39,385 | 2,478 | -169 | 0 | 0 | 0 | 3,802 | 37,892 | 12,244 |
| Waxes | 0 | 3,483 | 326 | 224 | 0 | 0 | 0 | 301 | 3,733 | 553 |
| Petroleum Coke | 0 | 107,586 | 0 | 712 | 0 | 0 | 0 | 47,725 | 60,573 | 4,769 |
| Asphalt and Road Oil | 0 | 93,935 | 1,680 | 444 | 0 | 0 | 0 | 148 | 95,910 | 18,348 |
| Still Gas | 0 | 138,280 | 0 | 0 | 0 | 0 | 0 | 0 | 138,280 | 0 |
| Miscellaneous Products | 539 | 14,691 | 2,992 | -160 | 0 | 0 | 0 | 261 | 17,801 | 1,969 |
| Total | 2,536,660 | 3,330,411 | 1,317,451 | -46,980 | 89,521 | 343 | 3,196,364 | 169,397 | 3,860,960 | 1,500,080 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,781 | 0 | 3,244 | 250 | 383 | 1 | 12,403 | 190 | 63 |
| Natural Gas Liquids and LRGs | 1,659 | 393 | 212 | -118 | 0 | 0 | 455 | 36 | 1,656 |
| Pentanes Plus | 308 | 0 | 59 | 14 | 0 | 0 | 213 | 2 | 165 |
| Liquefied Petroleum Gases | 1,351 | 393 | 154 | -132 | 0 | 0 | 241 | 34 | 1,491 |
| Ethane | 515 | 22 | 52 | -3 | 0 | 0 | 2 | 5 | 579 |
| Propane | 525 | 287 | 59 | -103 | 0 | 0 | 3 | 19 | 746 |
| Normal Butane | 209 | 86 | 25 | -30 | 0 | 0 | 115 | 8 | 167 |
| Isobutane | 102 | -1 | 17 | 4 | 0 | 0 | 121 | 2 | -2 |
| Other Liquids | 32 | 0 | 254 | -4 | 0 | 0 | 435 | 0 | -152 |
| Other Hydrocarbons and Alcohol | 32 | 0 | 0 | 1 | 0 | 0 | 33 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 173 | -2 | 0 | 0 | 302 | 0 | -132 |
| Motor Gasoline Blending Components | 0 | 0 | 81 | -5 | 0 | 0 | 97 | 0 | -20 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 3 | 0 | 0 | 2 | 0 | (s) |
| Finished Petroleum Products | 3 | 13,431 | 1,326 | 307 | 0 | 0 | 0 | 506 | 14,562 |
| Finished Motor Gasoline | (s) | 6,436 | 243 | 437 | 0 | 0 | 0 | 1 | 7,114 |
| Finished Leaded Motor Gasoline | (s) | 2,526 | 97 | 230 | 0 | 0 | 0 | 1 | 2,852 |
| Finished Unleaded Motor Gasoline | 0 | 3,909 | 146 | 207 | 0 | 0 | 0 | 0 | 4,263 |
| Finished Aviation Gasoline | 0 | 30 | 2 | 3 | 0 | 0 | 0 | 0 | 36 |
| Naphtha-Type Jet Fuel | 0 | 243 | 21 | -7 | 0 | 0 | 0 | 1 | 256 |
| Kerosene-Type Jet Fuel | 0 | 981 | 74 | -61 | 0 | 0 | 0 | 2 | 993 |
| Kerosene | 0 | 88 | 8 | -15 | 0 | 0 | 0 | (s) | 81 |
| Distillate Fuel Oil | 1 | 2,676 | 263 | -291 | 0 | 0 | 0 | 74 | 2,575 |
| Residual Fuel Oil | 0 | 808 | 572 | 146 | 0 | 0 | 0 | 260 | 1,266 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 109 | 41 | -1 | 0 | 0 | 0 | 6 | 143 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 224 | 0 | -5 | 0 | 0 | 0 | 4 | 215 |
| Special Naphthas | 0 | 54 | 50 | 9 | 0 | 0 | 0 | 1 | 112 |
| Lubricants | 0 | 166 | 11 | -16 | 0 | 0 | 0 | 9 | 151 |
| Waxes | 0 | 14 | 1 | 1 | 0 | 0 | 0 | 1 | 15 |
| Petroleum Coke | 0 | 401 | 0 | 4 | 0 | 0 | 0 | 144 | 262 |
| Asphalt and Road Oil | 0 | 583 | 31 | 98 | 0 | 0 | 0 | 2 | 711 |
| Still Gas | 0 | 569 | 0 | 0 | 0 | 0 | 0 | 0 | 569 |
| Miscellaneous Products | 2 | 51 | 9 | 3 | 0 | 0 | 0 | 1 | 64 |
| Total | 10,476 | 13,825 | 5,036 | 435 | 383 | 1 | 13,293 | 732 | 16,130 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - August 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,730 | 0 | 3,388 | -173 | 367 | 1 | 12,063 | 185 | 63 |
| Natural Gas Liquids and LRGs | 1,614 | 378 | 237 | -35 | 0 | 0 | 467 | 47 | 1,679 |
| Pentanes Plus | 290 | 42 | 42 | -7 | 0 | 0 | 198 | 3 | 124 |
| Liquefied Petroleum Gases | 1,323 | 378 | 195 | -28 | 0 | 0 | 269 | 45 | 1,555 |
| Ethane | 504 | 23 | 80 | 2 | 0 | 0 | 2 | 5 | 603 |
| Propane | 519 | 280 | 61 | -29 | 0 | 0 | 4 | 26 | 802 |
| Normal Butane | 203 | 75 | 32 | -7 | 0 | 0 | 145 | 11 | 147 |
| Isobutane | 98 | -1 | 21 | 5 | 0 | 0 | 118 | 3 | 3 |
| Other Liquids | 48 | 0 | 308 | (s) | 0 | 0 | 570 | 0 | -215 |
| Other Hydrocarbons and Alcohol | 48 | 0 | 0 | (s) | 0 | 0 | 47 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 235 | 6 | 0 | 0 | 411 | 0 | -170 |
| Motor Gasoline Blending Components | 0 | 0 | 73 | -7 | 0 | 0 | 111 | 0 | -45 |
| Aviation Gasoline Blending Components | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 0 | (s) |
| Finished Petroleum Products | 5 | 13,271 | 1,466 | 16 | 0 | 0 | 0 | 462 | 14,297 |
| Finished Motor Gasoline | 2 | 6,429 | 285 | -4 | 0 | 0 | 0 | 5 | 6,706 |
| Finished Leaded Motor Gasoline | 1 | 2,624 | 131 | 34 | 0 | 0 | 0 | 5 | 2,785 |
| Finished Unleaded Motor Gasoline | 1 | 3,804 | 154 | -38 | 0 | 0 | 0 | 0 | 3,920 |
| Finished Aviation Gasoline | 0 | 26 | 2 | (s) | 0 | 0 | 0 | 0 | 27 |
| Naphtha-Type Jet Fuel | 0 | 209 | 17 | -3 | 0 | 0 | 0 | 1 | 222 |
| Kerosene-Type Jet Fuel | 0 | 911 | 50 | -25 | 0 | 0 | 0 | 5 | 931 |
| Kerosene | (s) | 104 | 8 | -3 | 0 | 0 | 0 | (s) | 110 |
| Distillate Fuel Oil | 1 | 2,647 | 254 | 28 | 0 | 0 | 0 | 50 | 2,881 |
| Residual Fuel Oil | 0 | 868 | 727 | 18 | 0 | 0 | 0 | 164 | 1,449 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 129 | 31 | -1 | 0 | 0 | 0 | 7 | 153 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 263 | 0 | (s) | 0 | 0 | 0 | 14 | 249 |
| Special Naphthas | (s) | 56 | 61 | 2 | 0 | 0 | 0 | 3 | 116 |
| Lubricants | 0 | 161 | 10 | -1 | 0 | 0 | 0 | 16 | 155 |
| Waxes | 0 | 14 | 1 | 1 | 0 | 0 | 0 | 1 | 15 |
| Petroleum Coke | 0 | 441 | 0 | 3 | 0 | 0 | 0 | 196 | 248 |
| Asphalt and Road Oil | 0 | 385 | 7 | 2 | 0 | 0 | 0 | 1 | 393 |
| Still Gas | 0 | 567 | 0 | 0 | 0 | 0 | 0 | 0 | 567 |
| Miscellaneous Products | 2 | 60 | 12 | -1 | 0 | 0 | 0 | 1 | 73 |
| Total | 10,396 | 13,649 | 5,399 | -193 | 367 | 1 | 13,100 | 694 | 15,824 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, August 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | Ending Stocks |
|--|------------------|---------------------|---------------|--------------------------------------|--|---------------|--------------|-----------------|--------------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 1,814 | 0 | 29,620 | -349 | 3,150 | 3,822 | 0 | 38,057 | 0 | 0 |
| Natural Gas Liquids and LRGs | 911 | 1,482 | 1,454 | 591 | 0 | 2,781 | 0 | 226 | 38 | 6,955 |
| Liquefied Petroleum Gases | 779 | 1,482 | 590 | 593 | 0 | 2,781 | 0 | 187 | 38 | 6,000 |
| Pentanes Plus | 132 | 0 | 864 | -2 | 0 | 0 | 0 | 39 | 0 | 955 |
| Other Liquids | -22 | 0 | 2,284 | 773 | 0 | 1,327 | 0 | 4,751 | 0 | -389 |
| Other Hydrocarbons and Alcohol | -22 | 0 | 0 | 23 | 0 | 0 | 0 | 1 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 931 | 997 | 0 | 1,206 | 0 | 4,675 | 0 | -1,541 |
| Motor Gasoline Blending Components | 0 | 0 | 1,352 | -247 | 0 | 121 | 0 | 75 | 0 | 1,151 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 0 | 43,716 | 31,752 | 5,441 | 0 | 63,185 | 0 | 0 | 1,005 | 143,089 |
| Finished Motor Gasoline | 0 | 19,842 | 5,969 | 6,495 | 0 | 39,909 | 0 | 0 | 0 | 72,212 |
| Finished Leaded Motor Gasoline | 0 | 6,294 | 2,384 | 2,493 | 0 | 13,258 | 0 | 0 | 4 | 24,425 |
| Finished Unleaded Motor Gasoline | 0 | 13,548 | 3,585 | 4,002 | 0 | 26,651 | 0 | 0 | 0 | 47,786 |
| Finished Aviation Gasoline | 0 | 15 | 68 | 81 | 0 | 137 | 0 | 0 | 0 | 301 |
| Naphtha-Type Jet Fuel | 0 | 965 | 423 | -169 | 0 | 274 | 0 | 0 | 0 | 1,493 |
| Kerosene-Type Jet Fuel | 0 | 1,572 | 1,811 | -473 | 0 | 8,432 | 0 | 0 | 0 | 11,342 |
| Kerosene | 0 | 81 | 247 | -170 | 0 | 98 | 0 | 0 | 4 | 253 |
| Distillate Fuel Oil | 0 | 8,886 | 7,303 | -3,915 | 0 | 12,794 | 0 | 0 | 210 | 24,857 |
| Residual Fuel Oil | 0 | 3,949 | 14,574 | 2,809 | 0 | 435 | 0 | 0 | 212 | 21,555 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 380 | 13 | -26 | 0 | -6 | 0 | 0 | 57 | 304 |
| Special Naphthas | 0 | 45 | 142 | 133 | 0 | 369 | 0 | 0 | 4 | 886 |
| Lubricants | 0 | 567 | 144 | -181 | 0 | 574 | 0 | 0 | 68 | 1,035 |
| Waxes | 0 | 75 | 12 | 7 | 0 | 52 | 0 | 0 | 3 | 143 |
| Petroleum Coke | 0 | 1,256 | 0 | -227 | 0 | 0 | 0 | 0 | 395 | 634 |
| Asphalt and Road Oil | 0 | 3,952 | 819 | 963 | 0 | 127 | 0 | 0 | 32 | 5,829 |
| Still Gas | 0 | 1,931 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,931 |
| Miscellaneous Products | 0 | 200 | 225 | 114 | 0 | -10 | 0 | 0 | 15 | 514 |
| Total | 2,703 | 45,198 | 65,110 | 6,456 | 3,150 | 71,115 | 0 | 43,034 | 1,043 | 149,655 |
| | | | | | | | | | | 192,894 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, August 1984

| Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products (Thousand Barrels) | | | | | | | | | | | |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 32,373 | 0 | 13,735 | 4,083 | 38,513 | 1,000 | 13 | 88,804 | 887 | 0 | 74,588 |
| Natural Gas Liquids and LRGs | 10,384 | 2,417 | 3,345 | -1,794 | 0 | 3,143 | 0 | 4,588 | 541 | 12,366 | 37,459 |
| Liquefied Petroleum Gases | 8,884 | 2,417 | 3,345 | -1,713 | 0 | 2,482 | 0 | 2,797 | 465 | 12,153 | 33,875 |
| Pentanes Plus | 1,500 | 0 | 0 | -81 | 0 | 661 | 0 | 1,791 | 76 | 213 | 3,584 |
| Other Liquids | 148 | 0 | 464 | -178 | 0 | 209 | 0 | 722 | 0 | -79 | 24,476 |
| Other Hydrocarbons and Alcohol | 148 | 0 | 0 | 5 | 0 | 0 | 0 | 153 | 0 | 0 | 133 |
| Unfinished Oils | 0 | 0 | 464 | -237 | 0 | 126 | 0 | 115 | 0 | 238 | 16,996 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 45 | 0 | 83 | 0 | 445 | 0 | -317 | 7,270 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 9 | 0 | 0 | 77 |
| Finished Petroleum Products | 16 | 95,112 | 809 | -975 | 0 | 27,256 | 0 | 0 | 341 | 121,876 | 123,369 |
| Finished Motor Gasoline | 0 | 51,640 | 121 | 1,897 | 0 | 17,177 | 0 | 0 | 0 | 70,835 | 55,440 |
| Finished Leaded Motor Gasoline | 0 | 21,544 | 102 | 1,038 | 0 | 8,805 | 0 | 0 | 0 | 31,489 | 27,414 |
| Finished Unleaded Motor Gasoline | 0 | 30,096 | 19 | 859 | 0 | 8,372 | 0 | 0 | 0 | 39,346 | 28,026 |
| Finished Aviation Gasoline | 0 | 97 | 0 | 108 | 0 | 135 | 0 | 0 | 0 | 340 | 521 |
| Naphtha-Type Jet Fuel | 0 | 1,124 | 0 | 77 | 0 | 14 | 0 | 0 | 0 | 1,215 | 1,450 |
| Kerosene-Type Jet Fuel | 0 | 4,675 | 0 | -515 | 0 | 2,166 | 0 | 0 | 0 | 6,326 | 9,334 |
| Kerosene | 0 | 750 | 0 | -547 | 0 | 24 | 0 | 0 | 0 | 227 | 2,207 |
| Distillate Fuel Oil | 0 | 20,155 | 393 | -3,101 | 0 | 7,180 | 0 | 0 | 0 | 24,627 | 39,259 |
| Residual Fuel Oil | 0 | 1,932 | 12 | -117 | 0 | -99 | 0 | 0 | 0 | 1,728 | 3,642 |
| Naphtha and Other Oils for Petro. Feed | 0 | 905 | 4 | -1 | 0 | 25 | 0 | 0 | 42 | 891 | 187 |
| Special Naphthas | 0 | 412 | 172 | 77 | 0 | 194 | 0 | 0 | 2 | 854 | 370 |
| Lubricants | 0 | 874 | 9 | -140 | 0 | 72 | 0 | 0 | 18 | 797 | 2,153 |
| Waxes | 0 | 40 | 5 | 3 | 0 | 45 | 0 | 0 | 1 | 92 | 57 |
| Petroleum Coke | 0 | 2,586 | 0 | 80 | 0 | 0 | 0 | 0 | 260 | 2,406 | 805 |
| Asphalt and Road Oil | 0 | 6,425 | 59 | 1,220 | 0 | 335 | 0 | 0 | 16 | 8,023 | 7,686 |
| Still Gas | 0 | 3,325 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,325 | 0 |
| Miscellaneous Products | 16 | 172 | 32 | -16 | 0 | -12 | 0 | 0 | 2 | 190 | 258 |
| Total | 42,921 | 97,529 | 18,353 | 1,136 | 38,513 | 31,608 | 13 | 94,114 | 1,769 | 134,164 | 259,892 |

¹ Unaccounted for crude oil is a balancing item.

(E) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 8. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, August 1984
(Thousand Barrels)

| Commodity | Supply | | | | Net Receipts | Disposition | | | | Ending Stocks | |
|--|------------------|---------------------|---------|--------------------------------------|--------------|--|--------------|-----------------|---------|---------------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | | Products Supplied |
| Crude Oil (Including lease condensate) | E 132,361 | 0 | 52,462 | 2,461 | -25,039 | 11,974 | 3 | 174,195 | 0 | 21 | 594,696 |
| Natural Gas Liquids and LRGs | 36,363 | 6,752 | 879 | -1,187 | 0 | -4,490 | 0 | 8,019 | 346 | 29,953 | 79,308 |
| Liquefied Petroleum Gases | 29,782 | 6,752 | 14 | -1,668 | 0 | -4,046 | 0 | 3,597 | 346 | 26,891 | 72,668 |
| Pentanes Plus | 6,581 | 0 | 866 | 481 | 0 | -444 | 0 | 4,422 | 0 | 3,062 | 6,640 |
| Other Liquids | 543 | 0 | 4,275 | -1,894 | 0 | -1,655 | 0 | 5,254 | 0 | -3,985 | 67,509 |
| Other Hydrocarbons and Alcohol | 543 | 0 | 0 | 2 | 0 | 0 | 0 | 545 | 0 | 0 | 91 |
| Unfinished Oils | 0 | 0 | 3,953 | -2,002 | 0 | -1,451 | 0 | 2,449 | 0 | -1,949 | 51,305 |
| Motor Gasoline Blending Components | 0 | 0 | 322 | 52 | 0 | -204 | 0 | 2,206 | 0 | -2,036 | 15,990 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 54 | 0 | 0 | 123 |
| Finished Petroleum Products | 88 | 187,341 | 6,559 | -646 | 0 | -93,456 | 0 | 0 | 4,088 | 95,797 | 121,377 |
| Finished Motor Gasoline | 1 | 88,835 | 846 | 1,944 | 0 | -58,748 | 0 | 0 | 32 | 32,846 | 47,178 |
| Finished Leaded Motor Gasoline | 1 | 34,003 | 230 | 1,567 | 0 | -22,867 | 0 | 0 | 32 | 12,902 | 20,414 |
| Finished Unleaded Motor Gasoline | 0 | 54,832 | 616 | 377 | 0 | -35,881 | 0 | 0 | 0 | 19,944 | 26,764 |
| Finished Aviation Gasoline | 0 | 552 | 0 | -73 | 0 | -299 | 0 | 0 | 0 | 180 | 845 |
| Naphtha-Type Jet Fuel | 0 | 3,398 | 223 | -10 | 0 | -440 | 0 | 0 | 26 | 3,145 | 2,541 |
| Kerosene-Type Jet Fuel | 0 | 15,130 | 0 | -908 | 0 | -11,441 | 0 | 0 | 0 | 2,781 | 13,423 |
| Kerosene | 0 | 1,660 | 0 | 306 | 0 | -122 | 0 | 0 | 0 | 1,844 | 2,315 |
| Distillate Fuel Oil | 42 | 37,889 | 71 | -2,423 | 0 | -20,197 | 0 | 0 | (s) | 15,069 | 30,597 |
| Residual Fuel Oil | 0 | 8,765 | 2,874 | 598 | 0 | -336 | 0 | 0 | 313 | 10,109 | 9,210 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 8,706 | 1,263 | -214 | 0 | -19 | 0 | 0 | 1,791 | 9,533 | 2,979 |
| Special Naphthas | 0 | 1,122 | 1,160 | 69 | 0 | -563 | 0 | 0 | 203 | 1,770 | 1,359 |
| Lubricants | 0 | 3,365 | 52 | -293 | 0 | -754 | 0 | 0 | 18 | 2,238 | 5,501 |
| Waxes | 0 | 238 | 12 | 7 | 0 | -97 | 0 | 0 | 132 | 377 | 14 |
| Petroleum Coke | 0 | 4,979 | 0 | 282 | 0 | 0 | 0 | 0 | 146 | 146 | 377 |
| Asphalt and Road Oil | 0 | 3,818 | 28 | 140 | 0 | -462 | 0 | 0 | 1,547 | 3,714 | 1,244 |
| Still Gas | 0 | 7,898 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3,523 | 2,853 |
| Miscellaneous Products | 45 | 986 | 30 | -71 | 0 | 22 | 0 | 0 | 0 | 7,898 | 0 |
| Total | 169,355 | 194,093 | 64,175 | -1,266 | -25,039 | -87,627 | 3 | 187,468 | 4,434 | 121,786 | 852,890 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 9. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, August 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
|--|------------------|---------------------|---------|--|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock With- drawal (+) or Addi- tion (-) | Unac- counted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 17,611 | 0 | 805 | -17 | -4,369 | 0 | 0 | 14,026 | 0 | 4 | 13,088 |
| Natural Gas Liquids and LRGs | 2,682 | 136 | 394 | -763 | 0 | -1,434 | 0 | 462 | 0 | 553 | 2,054 |
| Liquefied Petroleum Gases | 1,820 | 136 | 310 | -784 | 0 | -1,217 | 0 | 351 | 0 | -86 | 1,820 |
| Pentanes Plus | 862 | 0 | 84 | 21 | 0 | -217 | 0 | 111 | 0 | 639 | 234 |
| Other Liquids | 0 | 0 | 0 | 370 | 0 | 0 | 0 | 113 | 0 | 257 | 4,063 |
| Other Hydrocarbons and Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | 100 | 0 | 0 | 0 | -118 | 0 | 218 | 2,458 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 270 | 0 | 0 | 0 | 231 | 0 | 39 | 1,605 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 3 | 14,695 | 357 | 1,531 | 0 | -3 | 0 | 0 | 3 | 16,580 | 11,836 |
| Finished Motor Gasoline | 0 | 7,525 | 100 | 822 | 0 | 2 | 0 | 0 | 0 | 8,449 | 4,805 |
| Finished Leaded Motor Gasoline | 0 | 4,154 | 94 | 630 | 0 | -136 | 0 | 0 | 0 | 4,742 | 2,909 |
| Finished Unleaded Motor Gasoline | 0 | 3,371 | 6 | 192 | 0 | 138 | 0 | 0 | 0 | 3,707 | 1,896 |
| Finished Aviation Gasoline | 0 | 38 | 0 | 4 | 0 | 27 | 0 | 0 | 0 | 69 | 48 |
| Naphtha-Type Jet Fuel | 0 | 522 | 0 | 19 | 0 | -173 | 0 | 0 | 0 | 368 | 328 |
| Kerosene-Type Jet Fuel | 0 | 719 | 0 | 21 | 0 | 478 | 0 | 0 | 0 | 1,218 | 865 |
| Kerosene | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 37 |
| Distillate Fuel Oil | 0 | 3,774 | 236 | 123 | 0 | -337 | 0 | 0 | 0 | 3,796 | 3,511 |
| Residual Fuel Oil | 0 | 200 | 8 | 31 | 0 | 0 | 0 | 0 | 0 | 239 | 532 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 3 | 0 | -3 | 0 | 0 | 0 | 0 | 1 | -1 | 5 |
| Special Naphthas | 0 | 0 | (s) | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 7 |
| Lubricants | 0 | 29 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 29 | 67 |
| Waxes | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 |
| Petroleum Coke | 0 | 235 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 260 | 159 |
| Asphalt and Road Oil | 0 | 1,065 | 13 | 493 | 0 | 0 | 0 | 0 | 1 | 1,570 | 1,451 |
| Still Gas | 0 | 516 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 516 | 0 |
| Miscellaneous Products | 3 | 54 | 0 | -8 | 0 | 0 | 0 | 0 | (s) | 49 | 21 |
| Total | 20,296 | 14,831 | 1,556 | 1,121 | -4,369 | -1,437 | 0 | 14,601 | 3 | 17,394 | 31,041 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 10. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, August 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 88,055 | 0 | 3,930 | 1,566 | -374 | -16,796 | 24 | 69,423 | 4,999 | 1,935 | 75,896 |
| Natural Gas Liquids and LRGs | 1,096 | 1,401 | 505 | -503 | 0 | 0 | 0 | 798 | 204 | 1,498 | 2,782 |
| Liquefied Petroleum Gases | 614 | 1,401 | 505 | -505 | 0 | 0 | 0 | 553 | 204 | 1,259 | 2,735 |
| Pentanes Plus | 482 | 0 | 0 | 2 | 0 | 0 | 0 | 245 | 0 | 239 | 47 |
| Other Liquids | 335 | 0 | 863 | 813 | 0 | 119 | 0 | 2,639 | 0 | -509 | 30,955 |
| Other Hydrocarbons and Alcohol | 335 | 0 | 0 | 0 | 0 | 0 | 0 | 335 | 0 | 0 | 5 |
| Unfinished Oils | 0 | 0 | 12 | 1,068 | 0 | 119 | 0 | 2,243 | 0 | -1,044 | 23,401 |
| Motor Gasoline Blending Components | 0 | 0 | 851 | -271 | 0 | 0 | 0 | 49 | 0 | 531 | 7,538 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 12 | 0 | 4 | 11 |
| Finished Petroleum Products | 0 | 75,512 | 1,638 | 4,166 | 0 | 3,018 | 0 | 0 | 10,239 | 74,095 | 53,730 |
| Finished Motor Gasoline | 0 | 31,663 | 493 | 2,400 | 0 | 1,660 | 0 | 0 | 8 | 36,208 | 19,327 |
| Finished Leaded Motor Gasoline | 0 | 12,318 | 200 | 1,400 | 0 | 940 | 0 | 0 | 8 | 14,850 | 8,681 |
| Finished Unleaded Motor Gasoline | 0 | 19,345 | 293 | 1,000 | 0 | 720 | 0 | 0 | 0 | 21,358 | 10,646 |
| Finished Aviation Gasoline | 0 | 242 | 0 | -12 | 0 | 0 | 0 | 0 | 0 | 230 | 608 |
| Naphtha-Type Jet Fuel | 0 | 1,523 | 0 | -119 | 0 | 325 | 0 | 0 | 0 | 1,729 | 1,734 |
| Kerosene-Type Jet Fuel | 0 | 8,319 | 478 | -4 | 0 | 365 | 0 | 0 | 52 | 9,106 | 5,758 |
| Kerosene | 0 | 220 | 0 | -48 | 0 | 0 | 0 | 0 | 0 | 172 | 301 |
| Distillate Fuel Oil | 0 | 12,260 | 153 | 283 | 0 | 560 | 0 | 0 | 1,782 | 11,474 | 10,992 |
| Residual Fuel Oil | 0 | 10,189 | 261 | 1,212 | 0 | 0 | 0 | 0 | 6,061 | 5,601 | 9,404 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 318 | 0 | 59 | 0 | 0 | 0 | 0 | 10 | 367 | 170 |
| Special Naphthas | 0 | 104 | 68 | -7 | 0 | 0 | 0 | 0 | 3 | 162 | 277 |
| Lubricants | 0 | 297 | 125 | 109 | 0 | 108 | 0 | 0 | 59 | 580 | 1,122 |
| Waxes | 0 | 71 | 3 | 4 | 0 | 0 | 0 | 0 | 4 | 74 | 39 |
| Petroleum Coke | 0 | 3,378 | 0 | -26 | 0 | 0 | 0 | 0 | 2,257 | 1,095 | 1,669 |
| Asphalt and Road Oil | 0 | 2,801 | 56 | 237 | 0 | 0 | 0 | 0 | (s) | 3,094 | 1,888 |
| Still Gas | 0 | 3,959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,959 | 0 |
| Miscellaneous Products | 0 | 168 | 2 | 78 | 0 | 0 | 0 | 0 | 4 | 244 | 441 |
| Total | 89,486 | 76,913 | 6,936 | 6,042 | -374 | -13,659 | 24 | 72,860 | 15,442 | 77,019 | 163,363 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 11. Production of Crude Oil (Including Lease Condensate) by PAD District and State, for the Most Currently Available Month,¹ June 1984
(Thousand Barrels)

| PAD District and State | | Production | | PAD District and State | | Production | |
|--|--|------------|---------------|---|--|------------|---------------|
| | | Total | Daily Average | | | Total | Daily Average |
| PAD District I | | | | | | | |
| Florida | | 1,129 | 38 | PAD District IV | | | |
| New York | | E 69 | E 2 | Colorado | | E 2,334 | E 78 |
| Pennsylvania | | E 351 | E 12 | Montana | | 2,436 | 81 |
| Virginia | | E 6 | E 0 | Utah | | E 2,640 | E 88 |
| West Virginia | | 302 | 10 | Wyoming | | E 9,798 | E 327 |
| Adjustment 2 | | -3 | (s) | Adjustment 2 | | -207 | -7 |
| Total PAD District I | | E 1,854 | E 62 | Total PAD District IV | | E 17,001 | E 567 |
| PAD District II | | | | | | | |
| Illinois | | 2,352 | 78 | PAD District V | | | |
| Indiana | | 447 | 15 | Alaska | | 1,793 | 60 |
| Kansas | | 6,375 | 213 | South Alaska | | 47,970 | 1,599 |
| Kentucky | | 664 | 22 | North Slope | | 4,006 | 134 |
| Michigan | | 2,579 | 86 | Adjustment for Alaska ² | | 53,769 | 1,792 |
| Missouri | | E 18 | E 1 | Total Alaska | | 18 | 1 |
| Nebraska | | 533 | 18 | Arizona | | 5,364 | 179 |
| North Dakota | | 4,337 | 145 | California | | 21,169 | 706 |
| Ohio | | E 1,233 | E 41 | Central Coastal | | 15 | 1 |
| Oklahoma | | 14,001 | 467 | East Central | | 6,545 | 218 |
| South Dakota | | 114 | 4 | North | | 33,093 | 1,103 |
| Tennessee | | 75 | 3 | South | | 123 | 4 |
| Adjustment 2 | | -1,435 | -48 | Total California | | 240 | 8 |
| Total PAD District II | | E 31,293 | E 1,043 | Nevada | | 87,243 | 2,908 |
| PAD District III | | | | | | | |
| Alabama | | 1,583 | 53 | Adjustment for Arizona, California, and Nevada ² | | E 262,290 | E 8,743 |
| Arkansas | | E 1,548 | E 52 | Total PAD District V | | | |
| Louisiana | | E 39,826 | E 1,328 | United States Total | | | |
| Gulf Coast | | 2,681 | 89 | | | | |
| Rest of State | | E 42,507 | E 1,417 | | | | |
| Total Louisiana | | 2,855 | 95 | | | | |
| Mississippi | | 568 | 19 | | | | |
| New Mexico | | 5,856 | 195 | | | | |
| Northwestern | | 6,424 | 214 | | | | |
| Southeastern | | | | | | | |
| Total New Mexico | | 2,181 | 73 | | | | |
| Texas | | 3,269 | 109 | | | | |
| TRRC District 01 | | E 10,317 | E 344 | | | | |
| TRRC District 02 | | 2,460 | 82 | | | | |
| TRRC District 03 | | 644 | 21 | | | | |
| TRRC District 04 | | 3,500 | 117 | | | | |
| TRRC District 05 | | 2,923 | 97 | | | | |
| TRRC District 06, excluding East Texas | | 2,921 | 97 | | | | |
| TRRC District 07B | | 19,012 | 634 | | | | |
| TRRC District 07C | | 17,671 | 589 | | | | |
| TRRC District 08 | | 3,303 | 110 | | | | |
| TRRC District 08A | | 1,832 | 61 | | | | |
| TRRC District 09 | | 4,085 | 136 | | | | |
| TRRC District 10 | | 74,118 | 2,471 | | | | |
| East Texas | | -4,136 | -138 | | | | |
| Total Texas | | E 124,899 | E 4,163 | | | | |
| Adjustment 2 | | | | | | | |
| Total PAD District III | | | | | | | |

¹ Includes the following offshore production (thousand barrels):

Alaska: State - 1,571;
California: Federal - 1,587, State - 3,311;
Louisiana: Federal - E27,045, State - 2,300;
Texas: Federal - E1,890, State - 152;
U.S. Total - E37,856

² These adjustments are used to reconcile the national and PADD level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PADD level figures published in a previous issue. Final data at the State, PAD District and national levels will be published without adjustments in the Petroleum Supply Annual.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

- Data not available.

E = Estimated.

See footnotes at end of table.

Table 12. Natural Gas Processing Plant Production of Petroleum Products by PAD District,¹ August 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|-------|-----------------|-----------------|--------------------|-------------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|---------------|------------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mtn. | Dist. V West Coast |
| | | | | | | | | | | | | | | | | | |
| Natural Gas Liquids | 416 | 495 | 911 | 1 | 1,862 | 537 | 7,984 | 10,384 | 20,503 | 3,061 | 7,858 | 723 | 4,218 | 36,363 | 2,682 | 1,096 | 51,436 |
| Pentanes Plus | 75 | 57 | 132 | 0 | 234 | 135 | 1,131 | 1,500 | 3,892 | 209 | 1,367 | 225 | 888 | 6,581 | 862 | 482 | 9,557 |
| Liquefied Petroleum Gases | 341 | 438 | 779 | 1 | 1,628 | 402 | 6,853 | 8,884 | 16,611 | 2,852 | 6,491 | 498 | 3,330 | 29,782 | 1,820 | 614 | 41,879 |
| Ethane | 107 | 139 | 246 | 0 | 621 | 4 | 3,142 | 3,767 | 6,526 | 1,054 | 3,032 | 83 | 1,017 | 11,712 | 224 | 3 | 15,952 |
| Propane | 142 | 196 | 338 | 1 | 629 | 225 | 2,485 | 3,340 | 6,315 | 1,168 | 2,147 | 212 | 1,343 | 11,185 | 1,053 | 360 | 16,276 |
| Normal Butane | 72 | 76 | 148 | 0 | 210 | 146 | 786 | 1,142 | 2,708 | 398 | 679 | 144 | 668 | 4,597 | 419 | 181 | 6,487 |
| Isobutane | 20 | 27 | 47 | 0 | 168 | 27 | 440 | 635 | 1,062 | 232 | 633 | 59 | 302 | 2,288 | 124 | 70 | 3,164 |
| Finished Petroleum Products | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 27 | 42 | 3 | 8 | 8 | 88 | 3 | 0 | 107 |
| Finished Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Finished Leaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Finished Unleaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 42 | 0 | 0 | 42 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 26 | 0 | 0 | 8 | 8 | 45 | 3 | 0 | 64 |
| Total Production | 416 | 495 | 911 | 1 | 1,862 | 537 | 8,000 | 10,400 | 20,530 | 3,103 | 7,861 | 731 | 4,226 | 36,451 | 2,685 | 1,096 | 51,543 |

¹ Production represents quantity of natural gas processing plant output less input to fractionating facilities.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 13. Refinery Input of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels, Except Where Noted)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|---|----------------|----------------|--------|-----------------|-----------------|--------------------|-------------------|--------|------------------|------------------|----------------|---------------|------------|-----------------|--------------|---------------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | PAD Dist. IV | | |
| | | | | | | | | | | | | | | | Rocky Mt. | | West Coast |
| Crude Oil (including lease condensate) | 35,358 | 2,699 | 38,057 | 1,814 | 56,588 | 9,225 | 21,177 | 88,804 | 16,217 | 85,628 | 64,442 | 5,719 | 2,189 | 174,195 | 14,026 | 69,423 | 384,505 |
| Pentanes Plus | 39 | 0 | 39 | 0 | 660 | 238 | 893 | 1,791 | 1,027 | 2,718 | 454 | 100 | 123 | 4,422 | 111 | 245 | 6,608 |
| Liquefied Petroleum Gases | 160 | 27 | 187 | 114 | 1,612 | 255 | 816 | 2,797 | 494 | 1,285 | 1,625 | 145 | 48 | 3,597 | 351 | 553 | 7,485 |
| Ethane | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 10 | 0 | 0 | 57 | 0 | 0 | 57 | 0 | 0 | 67 |
| Propane | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 67 | 1 | 3 | 33 | 0 | 0 | 37 | 0 | 0 | 104 |
| Normal Butane | 0 | 27 | 27 | 41 | 765 | 180 | 318 | 1,304 | 112 | 573 | 877 | 35 | 16 | 1,613 | 268 | 361 | 3,573 |
| Isobutane | 160 | 0 | 160 | 73 | 770 | 75 | 498 | 1,416 | 381 | 709 | 658 | 110 | 32 | 1,890 | 83 | 192 | 3,741 |
| Other Liquids | 1 | 0 | 1 | 0 | 133 | 0 | 20 | 153 | 0 | 228 | 314 | 0 | 3 | 545 | 0 | 335 | 1,034 |
| Other Hydrocarbons and Alcohol | 4,674 | 1 | 4,675 | 17 | -623 | 275 | 446 | 115 | -40 | 3,644 | -1,314 | 156 | 3 | 2,449 | -118 | 2,243 | 9,364 |
| Unfinished Oil (net) | | | | | | | | | | | | | | | | | |
| Motor Gasoline Blending Components (net) | 83 | -8 | 75 | -6 | 844 | 26 | -419 | 445 | -111 | 978 | 1,272 | 20 | 47 | 2,206 | 231 | 49 | 3,006 |
| Aviation Gasoline Blending Components (net) | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | -21 | 75 | 0 | 0 | 54 | 0 | 12 | 75 |
| Total Input to Refineries | 40,315 | 2,719 | 43,034 | 1,939 | 59,223 | 10,019 | 22,933 | 94,114 | 17,587 | 94,460 | 66,868 | 6,140 | 2,413 | 187,468 | 14,601 | 72,860 | 412,077 |
| Crude Oil Distillation | | | | | | | | | | | | | | | | | |
| Gross Input (daily average) | 1,170 | 87 | 1,257 | 59 | 1,834 | 308 | 691 | 2,891 | 530 | 2,846 | 2,092 | 188 | 71 | 5,726 | 455 | 2,249 | 12,578 |
| Operable Capacity (daily average) | 1,404 | 174 | 1,578 | 66 | 2,329 | 304 | 803 | 3,502 | 610 | 3,802 | 2,528 | 295 | 107 | 7,341 | 558 | 3,060 | 16,040 |
| Operating Ratio (percent) ¹ | 83.3 | 49.9 | 79.6 | 88.7 | 78.7 | 101.3 | 86.0 | 82.6 | 86.9 | 74.8 | 82.8 | 63.6 | 66.5 | 78.0 | 81.6 | 73.5 | 78.4 |
| Crude Oil Qualities | | | | | | | | | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 1.06 | .35 | 1.01 | .64 | .87 | 1.78 | .61 | .90 | .63 | .97 | .80 | 1.41 | .73 | .88 | .92 | 1.06 | .93 |
| API Gravity, Weighted Average | 31.20 | 40.33 | 31.88 | 36.26 | 35.75 | 30.52 | 37.44 | 35.60 | 37.54 | 35.06 | 33.80 | 33.00 | 39.45 | 34.81 | 35.37 | 25.17 | 32.94 |
| Operable Capacity (daily average) | 1,404 | 174 | 1,578 | 66 | 2,329 | 304 | 803 | 3,502 | 610 | 3,802 | 2,528 | 295 | 107 | 7,341 | 558 | 3,060 | 16,040 |
| Operating | 1,302 | 110 | 1,412 | 66 | 2,042 | 301 | 740 | 3,148 | 554 | 3,465 | 2,362 | 247 | 107 | 6,736 | 530 | 2,875 | 14,700 |
| Idle | 102 | 64 | 166 | 0 | 287 | 3 | 63 | 353 | 56 | 337 | 165 | 48 | 0 | 606 | 28 | 186 | 1,339 |

¹ Represents gross input divided by operable capacity.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 14. Refinery Production of Petroleum Products by PAD District, August 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | Total | | PAD District IV | | PAD District V | |
|--|----------------|----------------|----------------|-----------------|--------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|-------|------------|--------------------|---------------|----------------|--|
| | East Coast | Appalachian #1 | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mtn. | Dist. V West Coast | United States | | |
| Liquefied Refinery Gases | 1,454 | 28 | 1,482 | 36 | 1,765 | 218 | 398 | 2,417 | 49 | 3,062 | 3,471 | 67 | 103 | 6,752 | 136 | 1,401 | 12,188 | |
| For Petrochemical Feedstock Use | 448 | 0 | 448 | 0 | 220 | 0 | 52 | 272 | 34 | 1,386 | 2,120 | 8 | 0 | 3,548 | 10 | 137 | 4,415 | |
| For Other Uses | 1,006 | 28 | 1,034 | 36 | 1,545 | 218 | 346 | 2,145 | 15 | 1,676 | 1,351 | 59 | 103 | 3,204 | 126 | 1,264 | 7,773 | |
| Ethane | 14 | 0 | 14 | 0 | 0 | 14 | 0 | 14 | 0 | 650 | 17 | 0 | 0 | 667 | 0 | 0 | 695 | |
| For Petrochemical Feedstock Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 321 | 1 | 0 | 0 | 322 | 0 | 0 | 322 | |
| For Other Uses | 14 | 0 | 14 | 0 | 14 | 14 | 0 | 14 | 0 | 329 | 16 | 0 | 0 | 345 | 0 | 0 | 373 | |
| Propane | 1,124 | 28 | 1,152 | 36 | 1,714 | 195 | 507 | 2,452 | 202 | 2,383 | 1,427 | 52 | 52 | 4,116 | 145 | 1,020 | 8,888 | |
| For Petrochemical Feedstock Use | 370 | 0 | 370 | 0 | 201 | 0 | 52 | 253 | 34 | 1,074 | 267 | 0 | 0 | 1,375 | 0 | 127 | 2,125 | |
| For Other Uses | 754 | 28 | 782 | 36 | 1,513 | 195 | 455 | 2,199 | 168 | 1,309 | 1,160 | 52 | 52 | 2,741 | 145 | 893 | 6,760 | |
| Normal Butane | 316 | 0 | 316 | 0 | 32 | 9 | -109 | -68 | -153 | 102 | 2,027 | 15 | 51 | 2,042 | -17 | 381 | 2,654 | |
| For Petrochemical Feedstock Use | 78 | 0 | 78 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 1,852 | 8 | 0 | 1,924 | 2 | 10 | 2,014 | |
| For Other Uses | 238 | 0 | 238 | 0 | 32 | 9 | -109 | -68 | -153 | 38 | 175 | 7 | 51 | 118 | -19 | 371 | 640 | |
| Isobutane for Petro. Feed. Use | 0 | 0 | 0 | 0 | 19 | 0 | 0 | 19 | 0 | -73 | 0 | 0 | 0 | -73 | 8 | 0 | -46 | |
| Finished Motor Gasoline | 18,768 | 1,074 | 19,842 | 1,075 | 33,181 | 5,030 | 12,354 | 51,640 | 9,230 | 44,168 | 32,465 | 1,865 | 1,107 | 88,835 | 7,525 | 31,663 | 199,505 | |
| Finished Leaded Motor Gasoline | 5,858 | 436 | 6,294 | 452 | 12,355 | 2,483 | 6,254 | 21,544 | 4,502 | 15,323 | 12,788 | 826 | 564 | 34,003 | 4,154 | 12,318 | 78,313 | |
| Finished Unleaded Motor Gasoline | 12,910 | 638 | 13,548 | 623 | 20,826 | 2,547 | 6,100 | 30,096 | 4,728 | 28,845 | 19,677 | 1,039 | 543 | 54,832 | 3,371 | 19,345 | 121,192 | |
| Finished Aviation Gasoline | 15 | 0 | 15 | 0 | 69 | 0 | 28 | 97 | 150 | 263 | 139 | 0 | 0 | 552 | 38 | 242 | 944 | |
| Naphtha-Type Jet Fuel | 940 | 25 | 965 | 60 | 611 | 163 | 290 | 1,124 | 1,088 | 1,170 | 594 | 174 | 372 | 3,398 | 522 | 1,523 | 7,532 | |
| Kerosene-Type Jet Fuel | 1,572 | 0 | 1,572 | 18 | 3,185 | 599 | 873 | 4,675 | 818 | 6,522 | 7,667 | 7 | 116 | 15,130 | 719 | 8,319 | 30,415 | |
| Kerosene | 13 | 68 | 81 | 102 | 495 | -10 | 163 | 750 | 15 | 937 | 750 | 27 | -69 | 1,660 | 2 | 220 | 2,713 | |
| Distillate Fuel Oil | 8,100 | 786 | 8,886 | 412 | 11,735 | 2,091 | 5,917 | 20,155 | 3,978 | 18,668 | 12,779 | 1,843 | 621 | 37,889 | 3,774 | 12,260 | 82,964 | |
| Residual Fuel Oil | 3,904 | 45 | 3,949 | 75 | 1,379 | 198 | 280 | 1,932 | 755 | 5,099 | 2,659 | 243 | 9 | 8,765 | 200 | 10,189 | 25,035 | |
| Naphtha < 400 Deg. For Petro. Feed. Use | 373 | 0 | 373 | 0 | 605 | 0 | 106 | 711 | 114 | 1,960 | 70 | 17 | 0 | 2,161 | 0 | 121 | 3,366 | |
| Other Oils > 400 Deg. For Petro. Feed. Use | 7 | 0 | 7 | 0 | 194 | 0 | 0 | 194 | 103 | 4,309 | 2,133 | 0 | 0 | 6,545 | 3 | 197 | 6,946 | |
| Special Naphthas | 10 | 35 | 45 | 0 | 179 | 0 | 233 | 412 | 104 | 711 | 174 | 133 | 0 | 1,122 | 0 | 104 | 1,683 | |
| Lubricants | 274 | 293 | 567 | 0 | 496 | 0 | 378 | 874 | 13 | 2,198 | 678 | 359 | 117 | 3,365 | 29 | 297 | 5,132 | |
| Waxes | 0 | 75 | 75 | 0 | 9 | 0 | 31 | 40 | 9 | 99 | 73 | 57 | 0 | 238 | 13 | 71 | 437 | |
| Petroleum Coke | 1,238 | 18 | 1,256 | 27 | 1,639 | 264 | 656 | 2,586 | 296 | 2,655 | 1,939 | 77 | 12 | 4,979 | 235 | 3,378 | 12,434 | |
| Marketable | 450 | 0 | 450 | 0 | 720 | 140 | 446 | 1,306 | 64 | 1,267 | 1,221 | 43 | 0 | 2,595 | 95 | 2,566 | 7,012 | |
| Catalyst | 788 | 18 | 806 | 27 | 919 | 124 | 210 | 1,280 | 232 | 1,388 | 718 | 34 | 12 | 2,384 | 140 | 812 | 5,422 | |
| Asphalt and Road Oil | 3,837 | 115 | 3,952 | 144 | 3,869 | 1,522 | 890 | 6,425 | 587 | 677 | 1,446 | 1,108 | 0 | 3,818 | 1,065 | 2,801 | 18,061 | |
| Still Gas | 1,827 | 104 | 1,931 | 58 | 2,229 | 289 | 749 | 3,325 | 476 | 4,603 | 2,589 | 173 | 57 | 7,898 | 516 | 3,959 | 17,629 | |
| For Petrochemical Feedstock Use | 209 | 0 | 209 | 0 | 1 | 0 | 0 | 2 | 433 | 243 | 243 | 0 | 0 | 678 | 1 | 164 | 1,053 | |
| For Other Uses | 1,618 | 104 | 1,722 | 58 | 2,228 | 289 | 749 | 3,324 | 474 | 4,170 | 2,346 | 173 | 57 | 7,220 | 515 | 3,795 | 16,576 | |
| Miscellaneous Products | 140 | 60 | 200 | 3 | 77 | 23 | 69 | 172 | -6 | 575 | 376 | 41 | 0 | 986 | 54 | 168 | 1,580 | |
| Fuel Use | 10 | 28 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | -17 | 313 | 2 | 0 | 298 | 11 | 15 | 362 | |
| Non-Fuel Use | 130 | 32 | 162 | 3 | 77 | 23 | 69 | 172 | -6 | 592 | 63 | 39 | 0 | 688 | 43 | 153 | 1,218 | |
| Total Production | 42,472 | 2,726 | 45,198 | 2,010 | 61,717 | 10,387 | 23,415 | 97,529 | 17,779 | 97,676 | 70,002 | 6,191 | 2,445 | 194,093 | 14,831 | 76,913 | 428,564 | |
| Processing Gain(-) or Loss(+) ¹ | -2,157 | -7 | -2,164 | -71 | -2,494 | -368 | -482 | -3,415 | -192 | -3,216 | -3,134 | -51 | -32 | -6,625 | -230 | -4,053 | -16,487 | |

¹ Represents the arithmetic difference between input and output.

Note: See Explanatory Note 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 15. Percent Refinery Yield of Petroleum Products by PAD District,¹ August 1984

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|-------|-----------------|-----------------|--------------------|------------------|-------|------------------|------------------|----------------|---------------|-----------------|-------|---------------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. V West Coast |
| | | | | | | | | | | | | | | | | | |
| Finished Motor Gasoline ² | 46.2 | 39.1 | 45.7 | 52.8 | 53.5 | 47.5 | 51.1 | 52.2 | 48.3 | 43.6 | 45.6 | 27.2 | 40.4 | 44.2 | 49.1 | 42.5 | 46.0 |
| Finished Aviation Gasoline ³ | .0 | .0 | .0 | .0 | .1 | .0 | .1 | .1 | .9 | .3 | .1 | .0 | .0 | .3 | .3 | .3 | .2 |
| Liquefied Refinery Gases | 3.6 | 1.0 | 3.5 | 2.0 | 3.2 | 2.3 | 1.8 | 2.7 | .3 | 3.4 | 5.5 | 1.1 | 4.7 | 3.8 | 1.0 | 2.0 | 3.1 |
| Naphtha-Type Jet Fuel | 2.3 | .9 | 2.3 | 3.3 | 1.1 | 1.7 | 1.3 | 1.3 | 6.7 | 1.3 | .9 | 3.0 | 17.0 | 1.9 | 3.8 | 2.1 | 1.9 |
| Kerosene-Type Jet Fuel | 3.9 | 0 | 3.7 | 1.0 | 5.7 | 6.3 | 4.0 | 5.3 | 5.1 | 7.3 | 12.1 | .1 | 5.3 | 8.6 | 5.2 | 11.6 | 7.7 |
| Kerosene | .0 | 2.5 | .2 | 5.6 | .9 | .1 | .8 | .8 | .1 | 1.0 | 1.2 | .5 | -3.1 | .9 | .0 | .3 | .7 |
| Distillate Fuel Oil | 20.2 | 29.1 | 20.8 | 22.5 | 21.0 | 22.0 | 27.4 | 22.7 | 24.6 | 20.9 | 20.2 | 31.4 | 28.3 | 21.4 | 27.1 | 17.1 | 21.1 |
| Residual Fuel Oil | 9.8 | 1.7 | 9.2 | 4.1 | 2.5 | 2.1 | 1.3 | 2.2 | 4.7 | 5.7 | 4.2 | 4.1 | .4 | 5.0 | 1.4 | 14.2 | 6.4 |
| Naphtha < 400 Deg. F. Petro. Feed. Use | .9 | 0 | .9 | 0 | 1.1 | 0 | .5 | .8 | .7 | 2.2 | .1 | .3 | 0 | 1.2 | 0 | .2 | .9 |
| Other Oils > 400 Deg. F. Petro. Feed. Use | .0 | 0 | .0 | 0 | .3 | 0 | 0 | .2 | .6 | 4.8 | 3.4 | 0 | 0 | 3.7 | .0 | .3 | 1.8 |
| Special Naphthas | .0 | 1.3 | .1 | 0 | .3 | 0 | 1.1 | .5 | .6 | .8 | .3 | 2.3 | 0 | .6 | .0 | .1 | .4 |
| Lubricants | .7 | 10.9 | 1.3 | 0 | .9 | 0 | 1.7 | 1.0 | .1 | 2.5 | 1.1 | 6.1 | 5.3 | 1.9 | .2 | .4 | 1.3 |
| Waxes | .0 | 2.8 | .2 | 0 | .0 | 0 | .1 | .0 | .1 | .1 | .1 | 1.0 | 0 | .1 | .1 | .1 | .1 |
| Petroleum Coke | 3.1 | .7 | 2.9 | 1.5 | 2.9 | 2.8 | 3.0 | 2.9 | 1.8 | 3.0 | 3.1 | 1.3 | .5 | 2.8 | 1.7 | 4.7 | 3.2 |
| Asphalt and Road Oil | 9.6 | 4.3 | 9.2 | 7.9 | 6.9 | 16.0 | 4.1 | 7.2 | 3.6 | .8 | 2.3 | 18.9 | .0 | 2.2 | 7.7 | 3.9 | 4.6 |
| Still Gas | 4.6 | 3.9 | 4.5 | 3.2 | 4.0 | 3.0 | 3.5 | 3.7 | 2.9 | 5.2 | 4.1 | 2.9 | 2.6 | 4.5 | 3.7 | 5.5 | 4.5 |
| Miscellaneous Products | .3 | 2.2 | .5 | .2 | .1 | .2 | .3 | .2 | .0 | .6 | .6 | .7 | 0 | .6 | .4 | .2 | .4 |
| Processing Gain(-) or Loss(+) ⁴ | -5.4 | -3 | -5.1 | -3.9 | -4.5 | -3.9 | -2.2 | -3.8 | -1.2 | -3.6 | -5.0 | -9 | -1.5 | -3.8 | -1.7 | -5.7 | -4.2 |

¹ Based on crude oil input and net reruns of unfinished oils.² Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.³ Based on finished aviation gasoline output plus net output of aviation gasoline blending components.⁴ Represents the difference between input and production.

Note: Total may not equal sum of components due to independent rounding.

Note: See Explanatory 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 16. Imports of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|---------------|---------------|--------------|--------------|----------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ^{1 2} | 29,620 | 13,735 | 52,462 | 805 | 3,930 | 100,552 |
| Natural Gas Liquids | 1,454 | 3,345 | 879 | 394 | 505 | 6,578 |
| Pentanes Plus | 864 | 0 | 866 | 84 | 0 | 1,814 |
| Liquefied Petroleum Gases | 590 | 3,345 | 14 | 310 | 505 | 4,765 |
| Ethane | 0 | 1,624 | 0 | 0 | 0 | 1,624 |
| Propane | 437 | 1,189 | 11 | 151 | 43 | 1,831 |
| Normal Butane | 92 | 320 | 2 | 96 | 277 | 786 |
| Isobutane | 61 | 213 | 1 | 64 | 185 | 524 |
| Other Liquids ¹ | 2,284 | 464 | 4,275 | 0 | 863 | 7,886 |
| Unfinished Oils ¹ | 931 | 464 | 3,953 | 0 | 12 | 5,360 |
| Motor Gasoline Blending Components | 1,352 | 0 | 322 | 0 | 851 | 2,526 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 31,752 | 809 | 6,559 | 357 | 1,638 | 41,114 |
| Finished Motor Gasoline | 5,969 | 121 | 846 | 100 | 493 | 7,529 |
| Finished Leaded Motor Gasoline | 2,384 | 102 | 230 | 94 | 200 | 3,010 |
| Finished Unleaded Motor Gasoline | 3,585 | 19 | 616 | 6 | 293 | 4,519 |
| Finished Aviation Gasoline | 68 | 0 | 0 | 0 | 0 | 68 |
| Naphtha-Type Jet Fuel | 423 | 0 | 223 | 0 | 0 | 646 |
| Kerosene-Type Jet Fuel | 1,811 | 0 | 0 | 0 | 478 | 2,290 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 1,811 | 0 | 0 | 0 | 478 | 2,290 |
| Kerosene | 247 | 0 | 0 | 0 | 0 | 247 |
| Distillate Fuel Oil | 7,303 | 393 | 71 | 236 | 153 | 8,155 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 7,303 | 393 | 71 | 236 | 153 | 8,155 |
| Residual Fuel Oil | 14,574 | 12 | 2,874 | 8 | 261 | 17,729 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 14,574 | 12 | 2,874 | 8 | 261 | 17,729 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 13 | 4 | 1,263 | 0 | 0 | 1,280 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 142 | 172 | 1,160 | (s) | 68 | 1,543 |
| Lubricants | 144 | 9 | 52 | 0 | 125 | 331 |
| Waxes | 12 | 5 | 12 | 0 | 3 | 32 |
| Asphalt and Road Oil | 819 | 59 | 28 | 13 | 56 | 975 |
| Miscellaneous Products | 225 | 32 | 30 | 0 | 2 | 288 |
| Total Imports | 65,110 | 18,353 | 64,175 | 1,556 | 6,936 | 156,131 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 17. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January - August 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | |
|--|--|---------|---------|--------|-----------|
| | I | II | III | IV | V |
| Crude Oil (Including lease condensate) ^{1 2} | 215,753 | 124,383 | 431,693 | 7,644 | 47,274 |
| Natural Gas Liquids | 11,040 | 34,198 | 4,560 | 3,927 | 4,081 |
| Pentanes plus | 7,376 | 0 | 1,597 | 855 | 510 |
| Liquefied Petroleum Gases | 3,664 | 34,198 | 2,964 | 3,072 | 3,571 |
| Ethane | 1 | 19,604 | 0 | 0 | 0 |
| Propane | 2,201 | 9,248 | 1,345 | 1,561 | 542 |
| Normal Butane | 877 | 3,207 | 1,029 | 907 | 1,817 |
| Isobutane | 584 | 2,138 | 590 | 604 | 1,212 |
| Other Liquids ¹ | 25,438 | 2,924 | 36,880 | 0 | 9,937 |
| Unfinished Oils ¹ | 15,427 | 2,849 | 34,794 | 0 | 4,270 |
| Motor Gasoline Blending Components | 10,011 | 75 | 2,086 | 0 | 5,662 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 6 |
| Finished Petroleum Products | 292,784 | 8,763 | 42,119 | 1,667 | 12,386 |
| Finished Motor Gasoline | 58,246 | 842 | 5,320 | 510 | 4,509 |
| Finished Lead Motor Gasoline | 26,398 | 541 | 3,030 | 485 | 1,435 |
| Finished Unleaded Motor Gasoline | 31,848 | 302 | 2,290 | 25 | 3,074 |
| Finished Aviation Gasoline | 526 | 0 | 0 | 2 | 7 |
| Naphtha-Type Jet Fuel | 2,286 | 0 | 1,888 | 0 | 8 |
| Kerosene-Type Jet Fuel | 11,005 | 0 | 0 | 0 | 1,182 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 |
| Other | 11,005 | 0 | 0 | 0 | 1,182 |
| Kerosene | 1,966 | 0 | 6 | 0 | 1,972 |
| Distillate Fuel Oil | 56,388 | 2,033 | 1,028 | 1,016 | 1,466 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 |
| Other | 56,388 | 2,033 | 1,028 | 1,016 | 1,466 |
| Residual Fuel Oil | 155,038 | 1,578 | 17,298 | 108 | 3,368 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 |
| Other | 155,038 | 1,578 | 17,298 | 108 | 3,368 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 715 | 104 | 6,810 | 0 | 0 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 2,425 | 3,665 | 7,774 | 3 | 1,123 |
| Lubricants | 1,501 | 86 | 279 | 1 | 611 |
| Waxes | 104 | 43 | 155 | 0 | 25 |
| Asphalt and Road Oil | 1,422 | 75 | 100 | 24 | 59 |
| Miscellaneous Products | 1,162 | 338 | 1,461 | 2 | 28 |
| Total Imports | 545,014 | 170,268 | 515,252 | 13,237 | 73,679 |
| | | | | | 1,317,451 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

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Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, August 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|------------------|------------------------------|-------------------------|--------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 6,529 | 54 | 0 | 0 | 0 | 0 | 0 | 1,474 | 1,752 | 663 | 2,057 | 6,000 | 12,529 | 404 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 648 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 648 | 21 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 48 |
| Saudi Arabia | 13,376 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 13,564 | 438 |
| United Arab Emirates | 2,255 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 292 | 292 | 2,548 | 82 |
| Subtotal Arab OPEC | 24,306 | 242 | 0 | 0 | 0 | 0 | 0 | 1,474 | 1,752 | 663 | 2,349 | 6,481 | 30,787 | 993 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,806 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 533 | 0 | 0 | 533 | 2,340 | 75 |
| Gabon | 2,204 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,204 | 71 |
| Indonesia | 7,777 | 0 | 0 | 0 | 90 | 28 | 0 | 63 | 755 | 0 | 0 | 936 | 8,713 | 281 |
| Nigeria | 3,360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 0 | 0 | 163 | 3,523 | 114 |
| Venezuela | 6,533 | 0 | 929 | 118 | 1,538 | 1,328 | 0 | 2,334 | 1,773 | 0 | 533 | 8,552 | 15,085 | 487 |
| Subtotal Other OPEC | 21,680 | 0 | 929 | 118 | 1,628 | 1,355 | 0 | 2,397 | 3,224 | 0 | 533 | 10,184 | 31,864 | 1,028 |
| Other | | | | | | | | | | | | | | |
| Angola | 3,439 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 241 | 3,680 | 119 |
| Australia | 0 | 331 | 0 | 0 | 35 | 11 | 0 | 41 | 115 | 0 | 0 | 533 | 533 | 17 |
| Bahamas | 0 | 0 | 488 | 0 | 0 | 0 | 0 | 720 | 546 | 0 | 0 | 1,754 | 1,754 | 57 |
| Brazil | 0 | 0 | 0 | 0 | 946 | 0 | 0 | 0 | 646 | 58 | (s) | 1,649 | 1,649 | 53 |
| Canada | 9,225 | 4,059 | 473 | 0 | 840 | 208 | 7 | 974 | 524 | 257 | 501 | 7,842 | 17,067 | 551 |
| Congo | 1,100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 | 201 | 1,302 | 42 |
| Egypt | 351 | 0 | 0 | 0 | 197 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 351 | 11 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 198 | 198 | 6 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 0 | 0 | 131 | 131 | 4 |
| Mexico | 17,368 | 24 | 1,403 | 0 | 252 | 0 | 0 | 416 | 25 | 7 | 156 | 1,868 | 19,237 | 621 |
| Netherlands | 0 | 0 | 0 | 0 | 210 | 0 | 0 | 0 | 0 | 4 | 4 | 634 | 634 | 20 |
| Netherlands Antilles | 0 | 0 | 853 | 0 | 355 | 198 | 0 | 270 | 4,541 | 0 | 146 | 6,363 | 6,363 | 205 |
| Norway | 2,653 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,653 | 86 |
| Oman | 560 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 560 | 18 |
| People's Republic of China | 616 | 0 | 0 | 1,016 | 174 | 0 | 0 | 0 | 0 | 0 | 30 | 1,221 | 1,837 | 59 |
| Peru | 0 | 0 | 0 | 0 | 0 | 223 | 0 | 0 | 0 | 0 | 0 | 223 | 223 | 7 |
| Puerto Rico | 0 | 0 | 39 | 0 | 236 | 200 | 0 | 0 | 0 | 407 | 174 | 1,057 | 1,057 | 34 |
| Romania | 0 | 0 | 0 | 1,180 | 246 | 0 | 0 | 0 | 0 | 0 | 763 | 2,189 | 2,189 | 71 |
| Spain | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 10 | 11 | 221 | 221 | 7 |
| Trinidad and Tobago | 2,824 | 0 | 0 | 0 | 0 | 0 | 0 | 221 | 0 | 0 | 0 | 221 | 3,044 | 98 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 11,699 | 108 | 0 | 0 | 217 | 0 | 0 | 0 | 0 | 0 | (s) | 326 | 12,025 | 388 |
| Virgin Islands | 0 | 0 | 265 | 0 | 867 | 657 | 241 | 1,114 | 4,081 | 96 | 0 | 7,319 | 7,319 | 236 |
| Zaire | 805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 805 | 26 |
| Other Western Hemisphere | 149 | 0 | 0 | 39 | 231 | 0 | 0 | 0 | 9 | 26 | 18 | 323 | 472 | 15 |
| Other Eastern Hemisphere | 3,777 | (s) | 911 | 172 | 896 | 85 | 0 | 528 | 1,693 | 14 | 101 | 4,400 | 8,177 | 264 |
| Subtotal Other | 54,566 | 4,522 | 4,432 | 2,408 | 5,902 | 1,580 | 247 | 4,284 | 12,753 | 880 | 1,906 | 38,914 | 93,480 | 3,015 |
| Total Imports | 100,552 | 4,765 | 5,360 | 2,526 | 7,529 | 2,936 | 247 | 8,155 | 17,729 | 1,543 | 4,788 | 55,578 | 156,131 | 5,036 |
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 1,634 | 54 | 0 | 0 | 0 | 0 | 0 | 1,474 | 1,432 | 0 | 225 | 3,185 | 4,819 | 155 |
| Saudi Arabia | 3,991 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 4,179 | 135 |

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, August 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|------------|------------------|------------------------------|-------------------------|--------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Arab OPEC | 5,625 | 242 | 0 | 0 | 0 | 0 | 0 | 1,474 | 1,432 | 0 | 225 | 3,373 | 8,998 | 290 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 533 | 0 | 0 | 533 | 533 | 17 |
| Gabon | 1,505 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,505 | 49 |
| Indonesia | 835 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 835 | 27 |
| Nigeria | 478 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 478 | 15 |
| Venezuela | 2,448 | 0 | 0 | 0 | 922 | 1,181 | 0 | 2,334 | 1,461 | 0 | 533 | 6,431 | 8,879 | 286 |
| Subtotal Other OPEC | 5,266 | 0 | 0 | 0 | 922 | 1,181 | 0 | 2,334 | 1,994 | 0 | 533 | 6,964 | 12,230 | 395 |
| Other | | | | | | | | | | | | | | |
| Angola | 2,982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 241 | 0 | 0 | 241 | 3,223 | 104 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 650 | 546 | 0 | 0 | 1,197 | 1,197 | 39 |
| Brazil | 0 | 0 | 0 | 0 | 715 | 0 | 0 | 0 | 644 | 0 | (s) | 1,360 | 1,360 | 44 |
| Canada | 1,049 | 240 | 4 | 0 | 593 | 0 | 7 | 319 | 498 | 23 | 293 | 1,976 | 3,025 | 98 |
| Congo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 | 201 | 201 | 6 |
| Egypt | 351 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 351 | 11 |
| France | 0 | 0 | 0 | 0 | 197 | 0 | 0 | 0 | 0 | 0 | 0 | 197 | 197 | 6 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 0 | 0 | 131 | 131 | 4 |
| Mexico | 3,732 | 0 | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 68 | 320 | 4,051 | 131 |
| Netherlands | 0 | 0 | 0 | 0 | 210 | 0 | 0 | 416 | 0 | 0 | (s) | 626 | 626 | 20 |
| Netherlands Antilles | 0 | 0 | 583 | 0 | 355 | 198 | 0 | 270 | 4,541 | 0 | 115 | 6,062 | 6,062 | 196 |
| Norway | 2,264 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,264 | 73 |
| People's Republic of China | 614 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 614 | 20 |
| Puerto Rico | 0 | 0 | 39 | 0 | 236 | 200 | 0 | 0 | 0 | 116 | 124 | 715 | 715 | 23 |
| Romania | 0 | 0 | 0 | 1,180 | 246 | 0 | 0 | 0 | 0 | 0 | 763 | 2,189 | 2,189 | 71 |
| Spain | 0 | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 0 | 11 | 211 | 211 | 7 |
| Trinidad and Tobago | 920 | 0 | 0 | 0 | 0 | 0 | 0 | 221 | 0 | 0 | 0 | 221 | 1,141 | 37 |
| United Kingdom | 5,676 | 108 | 0 | 0 | 217 | 0 | 0 | 0 | 0 | 0 | (s) | 326 | 6,001 | 194 |
| Virgin Islands | 0 | 0 | 265 | 0 | 867 | 657 | 241 | 1,114 | 3,567 | 0 | 0 | 6,710 | 6,710 | 216 |
| Zaire | 555 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 555 | 18 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 0 | 0 | 0 | 231 | 0 | 0 | 0 | 9 | 0 | 0 | 240 | 240 | 8 |
| Other Eastern Hemisphere | 586 | (s) | 41 | 172 | 729 | 0 | 0 | 504 | 769 | 4 | 12 | 2,230 | 2,816 | 91 |
| Subtotal Other | 18,729 | 348 | 931 | 1,352 | 5,048 | 1,054 | 247 | 3,494 | 11,148 | 142 | 1,387 | 25,153 | 43,882 | 1,416 |
| Total Imports | 29,620 | 590 | 931 | 1,352 | 5,969 | 2,235 | 247 | 7,303 | 14,574 | 142 | 2,145 | 35,490 | 65,110 | 2,100 |
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 1,235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,235 | 40 |
| United Arab Emirates | 597 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 597 | 19 |
| Subtotal Arab OPEC | 1,832 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,832 | 59 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 317 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 317 | 10 |
| Nigeria | 937 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 937 | 30 |
| Subtotal Other OPEC | 1,254 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,254 | 40 |

See footnotes at end of table.

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Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, August 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|-------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 7,173 | 3,345 | 464 | 0 | 121 | 0 | 0 | 393 | 12 | 172 | 110 | 4,618 | 11,791 | 380 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 3,281 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,281 | 106 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 194 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 194 | 6 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 10,648 | 3,345 | 464 | 0 | 121 | 0 | 0 | 393 | 12 | 172 | (s) | 4,618 | 15,266 | 492 |
| Total Imports | 13,735 | 3,345 | 464 | 0 | 121 | 0 | 0 | 393 | 12 | 172 | 110 | 4,618 | 18,353 | 592 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 3,660 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 320 | 663 | 1,832 | 2,815 | 6,475 | 209 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 648 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 648 | 21 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 48 |
| Saudi Arabia | 9,385 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,385 | 303 |
| United Arab Emirates | 1,658 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 292 | 292 | 1,951 | 63 |
| Subtotal Arab OPEC | 16,849 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 320 | 663 | 2,124 | 3,107 | 19,956 | 644 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,489 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,489 | 48 |
| Gabon | 699 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 699 | 23 |
| Indonesia | 3,421 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 662 | 0 | 0 | 662 | 4,083 | 132 |
| Nigeria | 1,945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 0 | 0 | 163 | 2,108 | 68 |
| Venezuela | 3,873 | 0 | 929 | 118 | 616 | 0 | 0 | 0 | 312 | 0 | 0 | 1,974 | 5,848 | 189 |
| Subtotal Other OPEC | 11,428 | 0 | 929 | 118 | 616 | 0 | 0 | 0 | 1,137 | 0 | 0 | 2,799 | 14,227 | 459 |
| Other | | | | | | | | | | | | | | |
| Angola | 456 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 456 | 15 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 488 | 0 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 558 | 558 | 18 |
| Brazil | 0 | 0 | 0 | 0 | 230 | 0 | 0 | 0 | 1 | 58 | 0 | 289 | 289 | 9 |
| Canada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 40 | 40 | 1 |
| Congo | 1,100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,100 | 35 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Mexico | 10,356 | 14 | 1,403 | 0 | 0 | 0 | 0 | 1 | 20 | 7 | 29 | 1,475 | 11,831 | 382 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 3 | 8 | 8 | (s) |
| Netherlands Antilles | 0 | 0 | 263 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 263 | 263 | 8 |
| Other | | | | | | | | | | | | | | |
| Norway | 389 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 389 | 13 |
| Oman | 560 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 560 | 18 |
| People's Republic of China | 2 | 0 | 0 | 165 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 195 | 198 | 6 |
| Peru | 0 | 0 | 0 | 0 | 0 | 223 | 0 | 0 | 0 | 0 | 0 | 223 | 223 | 7 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 291 | 0 | 291 | 291 | 9 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

See footnotes at end of table

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, August 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|---------------|------------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District III | | | | | | | | | | | | | | |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 10 | 10 | (s) 55 |
| Trinidad and Tobago | 1,709 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,709 | 0 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 6,024 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) 0 | (s) 0 | 6,024 | 194 |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 513 | 50 | 0 | 563 | 563 | 18 |
| Zaire | 249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 249 | 8 |
| Other Western Hemisphere | 149 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 26 | 18 | 83 | 232 | 7 |
| Other Eastern Hemisphere | 3,191 | 0 | 870 | 0 | 0 | 0 | 0 | 0 | 883 | 10 | 44 | 1,807 | 4,998 | 161 |
| Subtotal Other | 24,185 | 14 | 3,024 | 204 | 230 | 223 | 0 | 71 | 1,417 | 497 | 126 | 5,806 | 29,992 | 967 |
| Total Imports | 52,462 | 14 | 3,953 | 322 | 846 | 223 | 0 | 71 | 2,874 | 1,160 | 2,250 | 11,713 | 64,175 | 2,070 |
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 805 | 310 | 0 | 0 | 100 | 0 | 0 | 236 | 8 | (s) 8 | 97 | 751 | 1,556 | 50 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 805 | 310 | 0 | 0 | 100 | 0 | 0 | 236 | 8 | (s) 8 | 97 | 751 | 1,556 | 50 |
| Total Imports | 805 | 310 | 0 | 0 | 100 | 0 | 0 | 236 | 8 | (s) 8 | 97 | 751 | 1,556 | 50 |
| PAD District V | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Indonesia | 3,521 | 0 | 0 | 0 | 90 | 28 | 0 | 63 | 94 | 0 | 0 | 274 | 3,795 | 122 |
| Venezuela | 211 | 0 | 0 | 0 | 0 | 147 | 0 | 0 | 0 | 0 | 0 | 147 | 358 | 12 |
| Subtotal Other OPEC | 3,732 | 0 | 0 | 0 | 90 | 175 | 0 | 63 | 94 | 0 | 0 | 421 | 4,153 | 134 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 331 | 0 | 0 | 35 | 11 | 0 | 41 | 115 | 0 | 0 | 533 | 533 | 17 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 198 | 164 | 5 | 0 | 26 | 208 | 0 | 26 | 6 | 22 | 1 | 457 | 655 | 21 |
| Mexico | 0 | 10 | 0 | 0 | 0 | 0 | 0 | (s) 0 | 5 | 0 | 59 | 74 | 74 | 2 |
| Netherlands Antilles | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 38 | 38 | 1 |
| People's Republic of China | 0 | 0 | 0 | 851 | 174 | 0 | 0 | 0 | 0 | 0 | 0 | 1,025 | 1,025 | 33 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 2 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 46 | 1 |
| Other | | | | | | | | | | | | | | |
| Other Eastern Hemisphere | 0 | (s) 0 | 0 | 0 | 168 | 85 | 0 | 24 | 42 | 0 | 45 | 363 | 363 | 12 |
| Subtotal Other | 198 | 505 | 12 | 851 | 403 | 304 | 0 | 90 | 167 | 68 | 186 | 2,586 | 2,784 | 90 |
| Total Imports | 3,930 | 505 | 12 | 851 | 493 | 478 | 0 | 153 | 261 | 68 | 186 | 3,006 | 6,936 | 224 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 19. Year-to-Date Imports Of Crude Oil and Petroleum Products by Source and PAD District, January - August 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|--------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 48,700 | 235 | 598 | 0 | 434 | 327 | 0 | 5,300 | 15,232 | 2,967 | 6,447 | 31,541 | 80,240 | 329 |
| Iraq | 2,179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,179 | 9 |
| Kuwait | 4,751 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,685 | 0 | 0 | 3,685 | 8,436 | 35 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 6 |
| Saudi Arabia | 89,346 | 793 | 1,119 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | (s) | 2,925 | 92,271 | 378 |
| United Arab Emirates | 19,774 | 0 | 1,049 | 993 | 0 | 221 | 0 | 0 | 1,745 | 0 | 1,879 | 5,887 | 25,661 | 105 |
| Subtotal Arab OPEC | 166,248 | 1,027 | 2,766 | 993 | 434 | 548 | 0 | 5,300 | 21,676 | 2,967 | 8,326 | 44,037 | 210,285 | 862 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 12,330 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,403 | 0 | 0 | 2,403 | 14,732 | 60 |
| Gabon | 14,007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 14,314 | 59 |
| Indonesia | 68,572 | 1,356 | 2,035 | 0 | 1,156 | 167 | 0 | 331 | 5,335 | 696 | 73 | 11,149 | 79,721 | 327 |
| Iran | 2,071 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,071 | 8 |
| Nigeria | 55,260 | 0 | 1,582 | 0 | 0 | 0 | 0 | 53 | 253 | 0 | 248 | 2,136 | 57,396 | 235 |
| Venezuela | 60,915 | 0 | 4,156 | 790 | 14,287 | 4,021 | 0 | 14,296 | 27,638 | 68 | 1,305 | 66,560 | 127,475 | 522 |
| Subtotal Other OPEC | 213,155 | 1,356 | 7,773 | 790 | 15,443 | 4,188 | 0 | 14,680 | 35,875 | 824 | 1,625 | 82,553 | 295,709 | 1,212 |
| Other | | | | | | | | | | | | | | |
| Angola | 21,419 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 809 | 0 | 0 | 809 | 22,228 | 91 |
| Australia | 3,572 | 427 | 0 | 0 | 440 | 76 | 0 | 164 | 1,493 | 0 | 208 | 2,807 | 6,379 | 26 |
| Bahamas | 0 | 0 | 6,219 | 0 | 0 | 659 | 69 | 4,255 | 5,295 | 0 | 2,352 | 18,849 | 18,849 | 77 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 2 | 0 | 0 | 0 | 5,643 | 0 | 0 | 0 | 7,167 | 260 | 24 | 13,094 | 13,096 | 54 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 80,808 | 42,347 | 2,628 | 75 | 4,279 | 216 | 43 | 8,182 | 6,435 | 4,273 | 3,255 | 71,733 | 152,546 | 625 |
| Congo | 8,942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,506 | 0 | 0 | 1,506 | 10,448 | 43 |
| Egypt | 2,641 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,641 | 11 |
| France | 0 | (s) | (s) | 0 | 573 | 0 | (s) | 0 | 299 | (s) | 12 | 885 | 885 | 4 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 250 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 8 |
| Malaysia | 158,807 | 1,629 | 125 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 409 | 176,229 | 722 |
| Mexico | 1,045 | (s) | 8,255 | 3,511 | 691 | 244 | 0 | 1,096 | 1,055 | 300 | 642 | 17,423 | 176,229 | 722 |
| Netherlands | 0 | 28 | 8,447 | 378 | 5,837 | 196 | 0 | 6,858 | 1,418 | 340 | 769 | 15,797 | 16,841 | 69 |
| Netherlands Antilles | 27,423 | (s) | 0 | 426 | 6,186 | 933 | 0 | 2,852 | 31,846 | 0 | 301 | 50,818 | 50,818 | 208 |
| Norway | 2,109 | 0 | 0 | 0 | 0 | 451 | 0 | 366 | 0 | 0 | 0 | 817 | 28,240 | 116 |
| Oman | 2,958 | 0 | 494 | 5,719 | 773 | 0 | 0 | 0 | 1,239 | 0 | 0 | 1,239 | 3,347 | 14 |
| People's Republic of China | 224 | 0 | 557 | 0 | 0 | 223 | 0 | 0 | 4,597 | 0 | 33 | 7,366 | 10,324 | 42 |
| Puerto Rico | 0 | 0 | 1,248 | 0 | 2,951 | 453 | 0 | 1,011 | 0 | 3,045 | 1,462 | 10,171 | 10,171 | 42 |
| Romania | 0 | 0 | 252 | 4,074 | 1,571 | 0 | 0 | 0 | 389 | 423 | 3,634 | 10,343 | 10,343 | 42 |
| Spain | 0 | 0 | 218 | 0 | 1,167 | 1,016 | 0 | 123 | 782 | 10 | 29 | 3,344 | 3,344 | 14 |
| Trinidad and Tobago | 19,180 | 0 | 13 | 0 | 0 | 0 | 0 | 221 | 1,731 | 7 | 16 | 1,988 | 21,168 | 87 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| United Kingdom | 81,981 | 526 | 737 | 370 | 2,618 | 325 | 0 | 163 | 655 | 156 | 714 | 6,264 | 88,246 | 362 |
| Virgin Islands | 0 | 0 | 8,773 | 0 | 11,983 | 5,236 | 1,794 | 12,961 | 32,913 | 402 | 339 | 74,401 | 74,401 | 305 |
| Zaire | 7,537 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,537 | 31 |
| Other | | | | | | | | | | | | | | |
| Other Western Hemisphere | 721 | 127 | 1,699 | 39 | 231 | 0 | 6 | 361 | 6,852 | 229 | 162 | 9,706 | 10,427 | 43 |

See footnotes at end of table.

(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------|-------------|--------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Other Eastern Hemisphere | 27,711 | 2 | 7,135 | 1,460 | 8,448 | 1,601 | 60 | 3,517 | 11,128 | 1,407 | 2,073 | 36,832 | 64,543 | 265 |
| Subtotal Other | 447,344 | 45,085 | 46,800 | 16,051 | 53,551 | 11,634 | 1,972 | 41,951 | 119,839 | 11,198 | 16,026 | 364,108 | 811,457 | 3,326 |
| Total Imports | 826,747 | 47,468 | 57,339 | 17,834 | 69,428 | 16,369 | 1,972 | 61,931 | 177,390 | 14,989 | 25,977 | 490,698 | 1,317,451 | 5,399 |
| PAD District 1 | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 12,529 | 235 | 0 | 0 | 434 | 327 | 0 | 5,250 | 14,236 | 218 | 1,495 | 22,195 | 34,724 | 142 |
| Kuwait | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1 |
| Saudi Arabia | 19,667 | 793 | 867 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1,660 | 21,327 | 87 |
| United Arab Emirates | 436 | 0 | 0 | 993 | 0 | 0 | 0 | 0 | 434 | 0 | 1,338 | 2,765 | 3,201 | 13 |
| Subtotal Arab OPEC | 32,885 | 1,027 | 867 | 993 | 434 | 327 | 0 | 5,250 | 14,670 | 218 | 2,833 | 26,619 | 59,504 | 244 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,403 | 0 | 0 | 2,403 | 2,705 | 11 |
| Gabon | 4,458 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 4,764 | 20 |
| Indonesia | 16,730 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 1,389 | 0 | 0 | 1,617 | 18,347 | 75 |
| Nigeria | 15,816 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 90 | 0 | 0 | 140 | 15,956 | 65 |
| Venezuela | 17,713 | 0 | 0 | 0 | 11,751 | 3,618 | 0 | 14,296 | 25,829 | 0 | 1,138 | 56,632 | 74,345 | 305 |
| Subtotal Other OPEC | 55,019 | 0 | 228 | 0 | 11,751 | 3,618 | 0 | 14,346 | 29,957 | 60 | 1,138 | 61,098 | 116,117 | 476 |
| Other | | | | | | | | | | | | | | |
| Angola | 13,253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 809 | 0 | 0 | 809 | 14,062 | 58 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 746 | 0 | 0 | 746 | 746 | 3 |
| Bahamas | 0 | 0 | 481 | 0 | 0 | 659 | 69 | 3,906 | 5,295 | 0 | 180 | 5,772 | 10,591 | 43 |
| Brazil | 2 | 0 | 0 | 0 | 4,257 | 0 | 0 | 0 | 6,903 | 0 | (s) | 11,160 | 11,162 | 46 |
| Canada | 8,724 | 1,982 | 44 | 0 | 1,997 | 0 | 43 | 4,968 | 4,672 | 161 | 1,614 | 15,481 | 24,206 | 99 |
| Congo | 3,791 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,506 | 0 | 0 | 1,506 | 5,297 | 22 |
| Egypt | 1,967 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,967 | 8 |
| France | 0 | (s) | 0 | 0 | 573 | 0 | 0 | 0 | 299 | (s) | 1 | 873 | 873 | 4 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 250 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 8 |
| Mexico | 22,933 | 0 | 0 | 3,216 | 252 | 215 | 0 | 885 | 625 | 291 | 289 | 5,772 | 28,705 | 118 |
| Netherlands | 1 | (s) | 0 | 219 | 5,837 | 196 | 0 | 6,858 | 1,418 | 36 | 251 | 14,814 | 14,815 | 61 |
| Netherlands Antilles | 0 | 0 | 7,178 | 426 | 5,108 | 893 | 0 | 2,293 | 31,654 | 0 | 122 | 47,675 | 47,675 | 195 |
| Norway | 18,580 | 0 | 0 | 0 | 0 | 0 | 0 | 366 | 0 | 0 | 0 | 456 | 19,036 | 78 |
| Oman | 993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 585 | 0 | 0 | 585 | 1,578 | 6 |
| People's Republic of China | 2,596 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 2,596 | 11 |
| Peru | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,335 | 0 | 0 | 4,335 | 4,337 | 18 |
| Puerto Rico | 0 | 0 | 1,248 | 0 | 2,951 | 453 | 0 | 772 | 0 | 1,011 | 1,363 | 7,798 | 7,798 | 32 |
| Romania | 0 | 0 | 252 | 3,852 | 1,571 | 0 | 0 | 0 | 389 | 183 | 3,634 | 9,882 | 9,882 | 41 |
| Spain | 0 | 0 | 0 | 0 | 1,167 | 825 | 0 | 123 | 782 | 0 | 11 | 2,908 | 2,908 | 12 |
| Trinidad and Tobago | 3,674 | 0 | 13 | 0 | 0 | 0 | 0 | 221 | 1,731 | 7 | 0 | 1,972 | 5,645 | 23 |
| Other | | | | | | | | | | | | | | |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| United Kingdom | 41,961 | 525 | 471 | 79 | 2,491 | 154 | 0 | 163 | 655 | (s) | 287 | 4,825 | 46,786 | 192 |
| Virgin Islands | 0 | 0 | 3,988 | 0 | 11,983 | 5,236 | 1,794 | 12,961 | 31,575 | 0 | 0 | 67,536 | 67,536 | 277 |
| Zaire | 3,545 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,545 | 15 |

See footnotes at end of table.

Table 19. Year-to-Date Imports Of Crude Oil and Petroleum Products by Source and PAD District, January - August 1984
(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|----------------|---------------|------------------|------------------------------|-------------------------|---------------|--------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Other Western Hemisphere | 0 | 127 | 611 | 0 | 231 | 0 | 0 | 32 | 6,852 | 0 | 8 | 7,860 | 7,860 | 32 |
| Other Eastern Hemisphere | 5,823 | 2 | 45 | 1,226 | 7,642 | 627 | 60 | 3,243 | 7,448 | 459 | 1,076 | 21,827 | 27,651 | 113 |
| Subtotal Other | 127,849 | 2,636 | 14,332 | 9,018 | 46,061 | 9,346 | 1,966 | 36,792 | 110,411 | 2,147 | 8,835 | 241,544 | 369,393 | 1,514 |
| Total Imports | 215,753 | 3,663 | 15,427 | 10,011 | 58,246 | 13,291 | 1,966 | 56,388 | 155,038 | 2,425 | 12,806 | 329,261 | 545,014 | 2,234 |
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 6,594 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,594 | 27 |
| Kuwait | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 1 |
| Saudi Arabia | 2,291 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,291 | 9 |
| United Arab Emirates | 2,069 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,069 | 8 |
| Subtotal Arab OPEC | 11,154 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,154 | 46 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 2,116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,116 | 9 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 1,040 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,040 | 4 |
| Nigeria | 7,203 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 7,406 | 30 |
| Venezuela | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 417 | 2 |
| Subtotal Other OPEC | 10,775 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 10,979 | 45 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 218 | 1 |
| Canada | 58,596 | 34,196 | 2,428 | 75 | 842 | 0 | 0 | 2,033 | 1,578 | 3,665 | 642 | 45,459 | 104,055 | 426 |
| Congo | 1,957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,957 | 8 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Mexico | 31,548 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31,548 | 129 |
| Netherlands | 1,044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,044 | 4 |
| Norway | 519 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 | 2 |
| Peru | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 5,758 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,758 | 24 |
| United Kingdom | 1,727 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1,730 | 7 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 1,083 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1,085 | 4 |
| Subtotal Other | 102,454 | 34,198 | 2,646 | 75 | 842 | 0 | 0 | 2,033 | 1,578 | 3,665 | 645 | 45,682 | 148,135 | 607 |
| Total Imports | 124,383 | 34,198 | 2,849 | 75 | 842 | 0 | 0 | 2,033 | 1,578 | 3,665 | 645 | 45,885 | 170,268 | 698 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 28,643 | 0 | 345 | 0 | 0 | 0 | 0 | 50 | 996 | 2,749 | 4,952 | 9,093 | 37,736 | 155 |
| Iraq | 2,179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,179 | 9 |
| Kuwait | 4,300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,685 | 0 | 0 | 3,685 | 7,984 | 33 |

See footnotes at end of table

(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|-------------------------|---|-------------------------------|--------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District III | | | | | | | | | | | | | | |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 6 |
| Saudi Arabia | 67,387 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | 0 | 1,013 | 68,400 | 280 |
| United Arab Emirates | 17,269 | 0 | 780 | 0 | 0 | 221 | 0 | 0 | 1,311 | 0 | 541 | 2,853 | 20,122 | 82 |
| Subtotal Arab OPEC | 121,276 | 0 | 1,125 | 0 | 0 | 221 | 0 | 50 | 7,006 | 2,749 | 5,493 | 16,644 | 137,920 | 565 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 9,551 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,551 | 39 |
| Gabon | 9,550 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,550 | 39 |
| Indonesia | 17,303 | 1,356 | 0 | 0 | 0 | 0 | 0 | 0 | 2,580 | 229 | 71 | 4,236 | 21,539 | 88 |
| Iran | 1,032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,032 | 4 |
| Nigeria | 32,241 | 0 | 1,379 | 0 | 0 | 0 | 0 | 3 | 163 | 0 | 248 | 1,792 | 34,034 | 139 |
| Venezuela | 42,161 | 0 | 4,156 | 790 | 2,290 | 0 | 0 | 0 | 1,809 | 68 | 167 | 9,279 | 51,440 | 211 |
| Subtotal Other OPEC | 111,838 | 1,356 | 5,535 | 790 | 2,290 | 0 | 0 | 3 | 4,552 | 297 | 486 | 15,308 | 127,146 | 521 |
| Other | | | | | | | | | | | | | | |
| Angola | 8,166 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,166 | 33 |
| Australia | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 | 0 | 164 | 684 | 685 | 3 |
| Bahamas | 0 | 0 | 5,519 | 0 | 0 | 0 | 0 | 349 | 0 | 0 | 2,172 | 8,040 | 8,040 | 33 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 0 | 0 | 0 | 0 | 1,386 | 0 | 0 | 0 | 264 | 260 | 23 | 1,934 | 1,934 | 8 |
| Canada | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 266 | 71 | 337 | 338 | 1 |
| Congo | 3,193 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,193 | 13 |
| Egypt | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 674 | 3 |
| France | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 11 | 11 | 11 | (s) |
| Malaysia | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 125 | 1 |
| Mexico | 104,326 | 1,581 | 8,255 | 294 | 439 | 29 | 0 | 200 | 380 | 9 | 273 | 11,460 | 115,786 | 475 |
| Netherlands | 0 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 0 | 300 | 519 | 978 | 978 | 4 |
| Netherlands Antilles | 0 | 28 | 1,261 | 0 | 1,078 | 0 | 0 | 358 | 0 | 0 | 59 | 2,784 | 2,784 | 11 |
| Norway | 8,324 | (s) | 0 | 0 | 0 | 361 | 0 | 0 | 654 | 0 | 0 | 361 | 8,685 | 36 |
| Oman | 1,116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,116 | 7 |
| People's Republic of China | 362 | 0 | 557 | 494 | 0 | 223 | 0 | 0 | 262 | 0 | 30 | 524 | 886 | 4 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,034 | 0 | 1,041 | 1,041 | 4 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 2,034 | 2,034 | 8 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 18 | 436 | 436 | 2 |
| Spain | 0 | 0 | 218 | 0 | 0 | 190 | 0 | 0 | 0 | 0 | 16 | 16 | 9,765 | 40 |
| Trinidad and Tobago | 9,749 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,749 | 0 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | | | |
| United Kingdom | 38,293 | 0 | 266 | 291 | 127 | 171 | 0 | (s) | 0 | 156 | 426 | 1,437 | 39,730 | 163 |
| Virgin Islands | 0 | 0 | 4,785 | 0 | 0 | 0 | 0 | 0 | 1,338 | 356 | 339 | 6,819 | 6,819 | 28 |
| Zaire | 3,992 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,992 | 16 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 721 | 0 | 1,088 | 39 | 0 | 0 | 6 | 12 | 0 | 229 | 154 | 1,528 | 2,249 | 9 |
| Other Eastern Hemisphere | 19,400 | 0 | 6,058 | 18 | 0 | 693 | 0 | 56 | 2,324 | 868 | 147 | 10,165 | 29,565 | 121 |
| Subtotal Other | 198,580 | 1,608 | 28,134 | 1,297 | 3,030 | 1,668 | 6 | 975 | 5,740 | 4,727 | 4,423 | 51,607 | 250,187 | 1,025 |
| Total Imports | 431,693 | 2,964 | 34,794 | 2,086 | 5,320 | 1,888 | 6 | 1,028 | 17,298 | 7,774 | 10,402 | 83,559 | 515,252 | 2,112 |

See footnotes at end of table.

Table 19. Year-to-Date Imports Of Crude Oil and Petroleum Products by Source and PAD District, January - August 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Petro- leum | Total (Daily Average) |
|----------------------------------|-------------|-------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|-------------------------|-----------------------------|
| PAD District IV | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | |
| Canada | 7,644 | 3,072 | 0 | 0 | 510 | 0 | 0 | 1,016 | 108 | 3 | 883 | 5,594 | 13,237 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 7,644 | 3,072 | 0 | 0 | 510 | 0 | 0 | 1,016 | 108 | 3 | 883 | 5,594 | 13,237 |
| Total Imports | 7,644 | 3,072 | 0 | 0 | 510 | 0 | 0 | 1,016 | 108 | 3 | 883 | 5,594 | 13,237 |
| PAD District V | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | |
| Algeria | 934 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1,187 |
| Saudi Arabia | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 252 |
| United Arab Emirates | 0 | 0 | 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 269 |
| Subtotal Arab OPEC | 934 | 0 | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 774 | 1,707 |
| Other OPEC | | | | | | | | | | | | | |
| Ecuador | 360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 360 |
| Indonesia | 34,539 | 0 | 1,808 | 0 | 1,156 | 167 | 0 | 331 | 1,366 | 467 | 0 | 5,296 | 39,835 |
| Venezuela | 624 | 0 | 0 | 0 | 246 | 403 | 0 | 0 | 0 | 0 | 0 | 649 | 1,273 |
| Subtotal Other OPEC | 35,523 | 0 | 1,808 | 0 | 1,402 | 570 | 0 | 331 | 1,366 | 467 | 1 | 5,945 | 41,468 |
| Other | | | | | | | | | | | | | |
| Australia | 3,571 | 427 | 0 | 0 | 440 | 76 | 0 | 164 | 228 | 0 | 44 | 1,378 | 4,949 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 5,842 | 3,096 | 156 | 0 | 930 | 216 | (s) | 165 | 76 | 178 | 45 | 4,862 | 10,710 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 284 | 284 |
| Mexico | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 11 | 51 | 0 | 80 | 190 | 190 |
| Netherlands | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 |
| Netherlands Antilles | 0 | 0 | 7 | 0 | 0 | 40 | 0 | 0 | 192 | 0 | 120 | 358 | 358 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | | | | | | | | | | | | | |
| People's Republic of China | 0 | 0 | 494 | 5,225 | 773 | 0 | 0 | 0 | 0 | 347 | 3 | 6,842 | 6,842 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 0 | 100 | 338 | 338 |
| Romania | 0 | 0 | 0 | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 222 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 46 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 318 | 0 | 0 | 0 | 318 | 318 |
| Other Eastern Hemisphere | 1,404 | (s) | 1,032 | 215 | 806 | 282 | 0 | 218 | 1,356 | 81 | 848 | 4,838 | 6,242 |
| Subtotal Other | 10,818 | 3,571 | 1,688 | 5,662 | 3,107 | 620 | (s) | 1,135 | 2,002 | 656 | 1,240 | 19,681 | 30,504 |
| Total Imports | 47,274 | 3,571 | 4,270 | 5,662 | 4,509 | 1,190 | (s) | 1,466 | 3,368 | 1,123 | 1,241 | 26,400 | 73,679 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.

Table 20. Exports of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | Total |
|---|--|-------|-------|-----|--------|--------|
| | I | II | III | IV | V | |
| Crude Oil (including lease condensate) ¹ | 0 | 887 | 0 | 0 | 4,999 | 5,886 |
| Natural Gas Liquids | 38 | 541 | 346 | 0 | 204 | 1,129 |
| Pentanes Plus | 0 | 76 | 0 | 0 | 0 | 76 |
| Liquefied Petroleum Gases | 38 | 465 | 346 | 0 | 204 | 1,053 |
| Ethane | (s) | 152 | 0 | 0 | (s) | 152 |
| Propane | 25 | 127 | 343 | 0 | 81 | 576 |
| Normal Butane | 13 | 111 | 3 | 0 | 122 | 249 |
| Isobutane | 0 | 76 | 0 | 0 | 0 | 76 |
| Finished Motor Gasoline | 4 | 0 | 32 | 0 | 8 | 44 |
| Naphtha-Type Jet Fuel | 0 | 0 | 26 | 0 | 0 | 26 |
| Kerosene-Type Jet Fuel | 0 | 0 | 0 | 0 | 52 | 52 |
| Kerosene | 4 | 0 | (s) | 0 | 0 | 4 |
| Distillate Fuel Oil | 210 | 0 | 313 | 0 | 1,782 | 2,305 |
| Residual Fuel Oil | 212 | 0 | 1,791 | 0 | 6,061 | 8,065 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 56 | 13 | 110 | 1 | 9 | 189 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 1 | 29 | 93 | 0 | 1 | 124 |
| Special Naphthas | 4 | 2 | 18 | 0 | 3 | 26 |
| Lubricants | 68 | 18 | 132 | 1 | 59 | 279 |
| Waxes | 3 | 1 | 14 | 0 | 4 | 22 |
| Petroleum Coke | 395 | 260 | 1,547 | 0 | 2,257 | 4,459 |
| Miscellaneous Products | 32 | 16 | 1 | 1 | (s) | 51 |
| Asphalt | 15 | 2 | 11 | (s) | 4 | 32 |
| Total Product Exports | 1,043 | 882 | 4,434 | 3 | 10,443 | 16,805 |
| Total Exports | 1,043 | 1,769 | 4,434 | 3 | 15,442 | 22,691 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 21. Year-to-Date Exports Of Crude Oil And Petroleum Products By PAD District, January - August 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|--------|--------|-----|--------|---------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ¹ | 0 | 3,943 | (s) | 0 | 41,276 | 45,219 |
| Natural Gas Liquids | 318 | 4,397 | 5,464 | | 1,371 | 11,550 |
| Pentanes Plus | 0 | 649 | 0 | (s) | 0 | 649 |
| Liquefied Petroleum Gases | 318 | 3,748 | 5,464 | (s) | 1,371 | 10,902 |
| Ethane | (s) | 1,297 | (s) | 0 | (s) | 1,297 |
| Propane | 155 | 1,093 | 4,510 | (s) | 550 | 6,307 |
| Normal Butane | 163 | 710 | 954 | (s) | 821 | 2,649 |
| Isobutane | 0 | 649 | 0 | 0 | 0 | 649 |
| Finished Motor Gasoline | 136 | 4 | 330 | 0 | 745 | 1,215 |
| Naphtha-Type Jet Fuel | (s) | 0 | 200 | 0 | 0 | 200 |
| Kerosene-Type Jet Fuel | 176 | 139 | 431 | 0 | 380 | 1,127 |
| Kerosene | 20 | 0 | 3 | 0 | (s) | 23 |
| Distillate Fuel Oil | 631 | 56 | 2,793 | (s) | 8,603 | 12,083 |
| Residual Fuel Oil | 845 | 0 | 13,813 | 0 | 25,380 | 40,039 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 458 | 78 | 907 | 7 | 171 | 1,621 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 3 | 237 | 2,965 | 0 | 264 | 3,469 |
| Special Naphthas | 49 | 73 | 241 | 3 | 250 | 615 |
| Lubricants | 890 | 222 | 2,311 | 10 | 369 | 3,802 |
| Waxes | 37 | 6 | 229 | 0 | 29 | 301 |
| Petroleum Coke | 1,779 | 2,045 | 24,740 | 4 | 19,158 | 47,725 |
| Asphalt | 47 | 59 | 27 | 4 | 10 | 148 |
| Miscellaneous Products | 123 | 14 | 97 | 1 | 26 | 261 |
| Total Product Exports | 5,512 | 7,329 | 54,553 | 28 | 56,756 | 124,178 |
| Total Exports | 5,512 | 11,272 | 54,553 | 28 | 98,032 | 169,397 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, August 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Napthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------------|-------------|-----|-------------------------|----------|----------------|-------------------|-----------------|-------------|-------|-----------------|---------|--------|-------|-----------------------|
| Argentina | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 6 | (s) | 0 | 0 | (s) | 7 | (s) |
| Australia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 253 | 0 | 1 | 263 | 8 |
| Bahamas | 0 | 5 | 1 | 0 | 220 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 227 | 7 |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 47 | 0 | 0 | 47 | 2 |
| Belgium & Luxembourg | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 15 | (s) | 618 | 0 | 1 | 636 | 21 |
| Brazil | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | 0 | 2 | 30 | (s) |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 30 | 0 | 0 | 30 | 1 |
| Canada | 887 | 464 | 32 | 0 | 883 | 38 | (s) | 1 | (s) | 573 | 49 | 135 | 3,084 | 99 |
| Chile | 0 | (s) | 32 | 26 | 144 | 30 | (s) | 10 | (s) | 2 | 0 | 1 | 233 | 8 |
| China (Taiwan) | 0 | 1 | 0 | 0 | 285 | 220 | (s) | (s) | (s) | (s) | 0 | 1 | 519 | 17 |
| Colombia | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 4 | (s) | 0 | (s) | 1 | 7 | (s) |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 1 | (s) |
| Denmark | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 0 | 0 | (s) | 1 | (s) |
| Dominican Republic | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 2 | (s) | 0 | 0 | 1 | 3 | (s) |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 0 | 0 | (s) | 3 | (s) |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| El Salvador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 8 |
| Finland | 0 | 0 | 0 | 0 | 0 | 212 | 0 | (s) | 2 | 4 | 0 | 16 | 235 | (s) |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| French Pacific Isl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Ghana | 0 | 3 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 77 | 0 | (s) | 80 | 3 |
| Greece | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | (s) | 64 | 2 |
| Guatemala | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Guinea | 0 | (s) | (s) | 0 | 0 | 0 | 0 | 2 | (s) | 0 | 0 | (s) | 2 | (s) |
| Honduras | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | (s) | 2 | (s) |
| Hong Kong | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 13 | (s) | 0 | (s) | (s) | 13 | (s) |
| India | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 4 | (s) | 0 | 0 | 1 | 5 | (s) |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| Israel | 0 | 6 | 0 | 0 | 0 | 342 | 0 | 1 | (s) | 325 | (s) | 94 | 764 | 25 |
| Italy | 0 | 2 | 0 | 0 | 0 | 124 | 0 | (s) | 0 | 0 | (s) | 0 | 124 | 4 |
| Ivory Coast | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 7 | (s) |
| Jamaica | 0 | 9 | 0 | 0 | 525 | 2,712 | (s) | 6 | 0 | 1,007 | 0 | 39 | 4,301 | 139 |
| Japan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Jordan | 0 | 3 | 0 | 0 | 0 | 239 | 0 | 8 | (s) | (s) | 0 | 4 | 256 | 8 |
| Korea, Republic of | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 2 | (s) |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Libenia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 0 | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 605 | (s) | 29 | 0 | 35 | 0 | (s) | 1,247 | 40 |
| Mexico | 0 | 463 | 8 | 52 | (s) | 0 | 0 | 1 | (s) | 792 | 0 | 20 | 815 | 26 |
| Netherlands | 0 | 0 | 0 | 0 | 137 | 1,122 | 0 | 1 | (s) | 112 | 0 | (s) | 1,260 | 41 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 1 | 113 | 4 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | (s) | 1 | (s) |
| Nicaragua | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 11 | (s) | 0 | 0 | (s) | 14 | (s) |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 29 | 0 | (s) | 30 | 1 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | (s) | 0 | 0 | (s) | (s) | (s) |
| Pacific Trust Terr. | 0 | 0 | 0 | 0 | 0 | 189 | (s) | 2 | (s) | (s) | 0 | 1 | 270 | 9 |
| Panama | 0 | 0 | 0 | 0 | 77 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 2 | (s) |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 0 | 0 | (s) | 3 | (s) |
| Philippines | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 24 | 1,754 | 57 |
| Puerto Rico | 1,677 | 15 | 0 | 0 | 0 | 13 | 7 | 2 | 0 | 76 | 0 | 1 | 85 | 3 |
| Rep. of South Africa | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 0 | 0 | 0 | (s) | 0 | 0 | 0 |

See footnotes at end of table.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, August 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|--------------------|--------|-----------------------|
| Saudi Arabia | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 12 | (s) |
| Singapore | 0 | (s) | 0 | 0 | (s) | 1,143 | 4 | 1 | (s) | 0 | (s) | 1 | 1,149 | 37 |
| Spain | 0 | 0 | 0 | 0 | 32 | 160 | 0 | (s) | (s) | 238 | 0 | 1 | 431 | 14 |
| Sunnam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Sweden | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | (s) | (s) | (s) | 2 | (s) |
| Switzerland | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 1 | 2 | (s) |
| Thailand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | (s) | 1 | 2 | (s) |
| Trinidad and Tobago | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 0 | (s) | 2 | 3 | (s) |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| United Arab Emirates | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | (s) |
| United Kingdom | 0 | 2 | 0 | 0 | (s) | 0 | 0 | 6 | (s) | 28 | (s) | 6 | 42 | 1 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | (s) | 44 | 1 |
| Uruguay | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | (s) |
| Venezuela | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 1 | (s) | (s) | 1 | 3 | 6 | (s) |
| Virgin Islands | 2,268 | 0 | 0 | 0 | 0 | 734 | 0 | 0 | 0 | 0 | 0 | 0 | 3,002 | 97 |
| West Germany | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 208 | 0 | 1 | 212 | 7 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Other | 1,054 | 1 | 0 | 0 | (s) | 182 | (s) | 6 | (s) | 5 | (s) | 3 | 1,252 | 40 |
| Total | 5,886 | 1,053 | 44 | 77 | 2,305 | 8,065 | 26 | 279 | 22 | 4,459 | 51 | 425 | 22,691 | 732 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - August 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other2 | Total | Total (Daily Average) | |
|----------------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|--------|--------|-----------------------|---|
| Argentina | 0 | 1 | 0 | 431 | (s) | 0 | 4 | 110 | 2 | 1 | 0 | 159 | 708 | 3 | |
| Australia | 0 | 6 | 269 | 0 | 1 | 800 | 31 | 43 | 1 | 1,238 | 0 | 91 | 2,481 | 10 | |
| Bahamas | 0 | 72 | 7 | (s) | 755 | 859 | 0 | 12 | (s) | 0 | 0 | 2 | 1,707 | 7 | |
| Bahrain | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 1 | 0 | 276 | 0 | 1 | 278 | 1 | |
| Belgium & Luxembourg | 0 | 10 | (s) | 0 | 0 | 0 | 3 | 70 | 1 | 5,380 | (s) | 5 | 5,469 | 22 | |
| Brazil | 0 | 1 | 0 | 0 | 0 | 0 | 7 | 9 | (s) | 260 | 0 | 10 | 288 | 1 | |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 121 | 0 | (s) | 121 | (s) | |
| Canada | 3,943 | 3,763 | 131 | 220 | 2,348 | 1,793 | 89 | 526 | 21 | 3,886 | 105 | 1,170 | 17,996 | 74 | |
| Chile | 0 | (s) | 83 | 43 | 256 | 61 | 2 | 77 | (s) | 1 | 2 | 5 | 531 | 2 | |
| China (Taiwan) | 0 | 2 | 0 | 0 | 920 | 3,770 | 1 | 80 | 1 | 94 | 1 | 9 | 4,877 | 20 | |
| Colombia | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 32 | 61 | 1 | 10 | 8 | 140 | 1 | |
| Costa Rica | 0 | 49 | (s) | 0 | 0 | 0 | 16 | 35 | 1 | 22 | 10 | 8 | 140 | 1 | |
| Denmark | 0 | 1 | 0 | 0 | (s) | 0 | 0 | 2 | 1 | 513 | 0 | 1 | 518 | 2 | |
| Dominican Republic | 0 | 259 | 0 | 0 | 0 | 0 | (s) | 7 | 1 | 64 | 0 | 4 | 335 | 1 | |
| Ecuador | 0 | 351 | 25 | 0 | 332 | (s) | 3 | 7 | 1 | 0 | 1 | 7 | 728 | 3 | |
| Egypt | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 14 | (s) | 0 | 0 | 1 | 17 | (s) | |
| El Salvador | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 30 | (s) | 0 | 0 | 3 | 35 | (s) | |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | (s) | 3,920 | 0 | 2 | 5 | (s) | |
| France | 0 | 38 | 1 | 0 | 1 | 891 | (s) | 9 | 11 | 0 | (s) | 806 | 5,678 | 23 | |
| French Pacific Isl | 0 | 0 | 0 | 0 | 0 | 350 | 0 | 2 | 0 | 0 | 0 | (s) | 351 | 1 | |
| Ghana | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 2 | 230 | 0 | 2 | 239 | 1 | |
| Greece | 0 | 5 | 0 | 0 | 0 | 0 | 4 | 27 | 3 | 0 | (s) | 5 | 455 | 2 | |
| Guatemala | 0 | 416 | 0 | 0 | 0 | 358 | (s) | 6 | 0 | 0 | 0 | (s) | 365 | 1 | |
| Guinea | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 39 | (s) | (s) | (s) | 2 | 49 | (s) | |
| Honduras | 0 | 2 | (s) | 0 | (s) | 0 | 4 | 10 | 1 | 1 | 0 | 4 | 1,414 | 6 | |
| Hong Kong | 0 | 1 | 0 | 0 | (s) | 1,394 | 2 | 30 | (s) | 38 | (s) | 27 | 96 | (s) | |
| India | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 25 | (s) | 266 | (s) | 9 | 302 | 1 | |
| Indonesia | 0 | 1 | 0 | 0 | 1 | 0 | (s) | 1 | 0 | 0 | 0 | 0 | 1 | (s) | |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | (s) | 0 | 0 | 9 | 19 | (s) | |
| Israel | 0 | 7 | 0 | 0 | 0 | 0 | 2 | 1 | 4 | (s) | 0 | 1,022 | 10,304 | 42 | |
| Italy | 0 | 158 | 0 | 0 | (s) | 3,290 | 5 | 26 | 6 | 5,819 | (s) | (s) | 481 | 2 | |
| Ivory Coast | 0 | 0 | 0 | 0 | 174 | 280 | 0 | 74 | 0 | 0 | 1 | 8 | 617 | 3 | |
| Jamaica | 0 | 179 | 25 | 0 | 0 | 330 | (s) | 177 | (s) | 0 | (s) | 321 | 21,906 | 90 | |
| Japan | 0 | 17 | (s) | 0 | 2,860 | 8,224 | 307 | 37 | 19 | 9,980 | (s) | (s) | 6 | (s) | |
| Jordan | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 5 | 3 | 768 | (s) | 0 | 3,292 | 13 | |
| Korea, Republic of | 0 | 6 | 0 | 0 | 668 | 1,578 | 3 | 37 | 3 | 0 | (s) | 1 | 18 | (s) | |
| Kuwait | 0 | 3 | (s) | 0 | 0 | 0 | (s) | 13 | 0 | (s) | 0 | 0 | 6 | (s) | |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 0 | (s) | (s) | 253 | 1 | |
| Libena | 0 | 1 | 0 | 0 | 0 | 251 | 0 | 6 | (s) | 0 | (s) | 1 | 7 | (s) | |
| Malaysia | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 2 | (s) | 0 | (s) | 1 | 99 | 26 | |
| Mexico | 0 | 4,408 | 34 | 300 | (s) | 605 | 19 | 517 | 58 | 274 | 1 | 99 | 6,316 | 26 | |
| Netherlands | 0 | 143 | 0 | 0 | 0 | 577 | 46 | 50 | 3 | 5,411 | (s) | 599 | 6,830 | 28 | |
| Netherlands Antilles | 0 | 0 | 0 | 128 | 1,014 | 3,135 | (s) | 3 | 0 | 0 | 0 | (s) | 4,333 | 18 | |
| New Zealand | 0 | 3 | 51 | 0 | 301 | 0 | 3 | 9 | (s) | 388 | (s) | 7 | 1,152 | 5 | |
| Nicaragua | 0 | (s) | 443 | 0 | 0 | 0 | 3 | 24 | 0 | 0 | 0 | 3 | 31 | (s) | |
| Nigeria | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 112 | (s) | 0 | (s) | 3 | 116 | (s) | |
| Norway | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 2 | (s) | 789 | (s) | 1 | 792 | 3 | |
| Pacific Trust Terr. | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 1 | (s) | |
| Panama | 0 | 88 | 113 | 0 | 0 | 1,236 | 3 | 42 | (s) | 28 | (s) | 3 | 2,746 | 11 | |
| Peru | 0 | 3 | 0 | 0 | 1,232 | 0 | (s) | 93 | (s) | 0 | 0 | 0 | 2 | 674 | 3 |
| Philippines | 0 | 3 | 0 | 0 | 576 | 0 | 2 | 11 | 0 | 0 | 0 | 58 | 75 | (s) | |
| Puerto Rico | 6,944 | 83 | 1 | (s) | 0 | 202 | 11 | 133 | 11 | (s) | 1 | 166 | 7,554 | 31 | |
| Rep. of South Africa | 0 | 2 | 0 | 0 | (s) | 0 | (s) | 68 | 57 | 281 | 1 | 289 | 699 | 3 | |

See footnotes at end of table.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - August 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|-------------|--------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|--------------------|---------|-----------------------|
| Saudi Arabia | 0 | 63 | 0 | 0 | 0 | (s) | 1 | 137 | (s) | 0 | 0 | 24 | 225 | 1 |
| Singapore | 0 | 12 | 0 | 0 | 100 | 2,708 | 17 | 64 | (s) | 23 | (s) | 11 | 2,934 | 12 |
| Spain | 0 | 4 | 0 | 0 | 381 | 1,468 | 0 | 379 | 1 | 4,527 | 0 | 254 | 7,015 | 29 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 45 | 0 | 1 | 57 | (s) |
| Sweden | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 10 | (s) | 315 | (s) | 5 | 334 | 1 |
| Switzerland | 0 | 3 | 0 | 0 | 0 | 0 | (s) | 5 | 1 | 0 | 0 | 4 | 12 | (s) |
| Thailand | 0 | (s) | 30 | 0 | 0 | 0 | 1 | 38 | (s) | (s) | (s) | 64 | 132 | 1 |
| Trinidad and Tobago | 0 | 41 | 0 | 206 | (s) | 0 | 5 | 11 | (s) | 0 | (s) | 3 | 265 | 1 |
| Turkey | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 1 | (s) | 302 | 0 | 174 | 478 | 2 |
| United Arab Emirates | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 57 | 0 | 181 | 0 | 23 | 263 | 1 |
| United Kingdom | 0 | 44 | (s) | 0 | 8 | 1,381 | 1 | 39 | 3 | 95 | 15 | 23 | 1,609 | 7 |
| U.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 268 | 0 | 237 | 0 | (s) | 505 | 2 |
| Uruguay | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 6 | (s) | 0 | (s) | 2 | 8 | (s) |
| Venezuela | (s) | 525 | 0 | 0 | 0 | 0 | 7 | 12 | 3 | 559 | 1 | 16 | 1,122 | 5 |
| Virgin Islands | 27,802 | 14 | 0 | 0 | 0 | 3,947 | 0 | (s) | 0 | 0 | 0 | (s) | 31,764 | 130 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 73 | 25 | 869 | (s) | 95 | 1,063 | 4 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 341 | 0 | (s) | 341 | 1 |
| Other | 6,530 | 99 | (s) | 0 | 151 | 553 | (s) | 59 | 1 | 183 | 4 | 161 | 7,741 | 32 |
| Total | 45,219 | 10,902 | 1,215 | 1,327 | 12,083 | 40,039 | 615 | 3,802 | 301 | 47,725 | 148 | 6,022 | 169,397 | 694 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | | |
|---|----------------|----------------|---------|-----------------|-----------------|---------------------|-------------------|------------------|--------------|------------------|----------------|-----------------|------------|---------------|--------|-----------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | | Total | Rocky Mt. | West Coast |
| | | | | | | | | | | | | | | | | | |
| Crude Oil (incl. lease condensate) | | | | | | | | | | | | | | | | | |
| Refinery | -- | -- | 14,599 | -- | -- | -- | -- | 13,694 | -- | -- | -- | -- | -- | 43,099 | 2,133 | 23,392 | 96,917 |
| Tank Farms and Pipelines | -- | -- | 1,459 | -- | -- | -- | -- | 59,341 | -- | -- | -- | -- | -- | 95,396 | 9,657 | 26,865 | 192,718 |
| Leases | -- | -- | 60 | -- | -- | -- | -- | 1,553 | -- | -- | -- | -- | -- | 429,467 | 0 | 0 | 429,467 |
| Strategic Petroleum Reserve ¹ | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 24,041 | 24,041 |
| Alaskan In-Transit | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 24,041 | 24,041 |
| Total | -- | -- | 16,118 | -- | -- | -- | -- | 74,588 | -- | -- | -- | -- | -- | 584,696 | 13,088 | 75,896 | 764,386 |
| Total Stocks, All Oils (excl. Crude Oil) | | | | | | | | | | | | | | | | | |
| Refinery | 37,752 | 2,659 | 40,411 | 925 | 39,795 | 5,968 | 15,509 | 62,197 | 9,568 | 73,311 | 44,590 | 4,955 | 1,612 | 134,036 | 11,432 | 60,457 | 308,533 |
| Bulk Terminal | -- | -- | 110,163 | -- | -- | -- | -- | 85,046 | -- | -- | -- | -- | -- | 86,711 | 3,043 | 22,288 | 307,251 |
| Pipeline | -- | -- | 25,953 | -- | -- | -- | -- | 35,670 | -- | -- | -- | -- | -- | 40,279 | 3,289 | 4,539 | 109,730 |
| Natural Gas Processing Plant | 213 | 36 | 249 | 0 | 690 | 43 | 1,658 | 2,391 | 1,458 | 4,958 | 469 | 75 | 208 | 7,168 | 189 | 183 | 10,180 |
| Total | -- | -- | 176,776 | -- | -- | -- | -- | 185,304 | -- | -- | -- | -- | -- | 268,194 | 17,953 | 87,467 | 735,694 |
| Pentanes Plus | | | | | | | | | | | | | | | | | |
| Refinery | 13 | 0 | 13 | 0 | 42 | 27 | 145 | 214 | 112 | 222 | 118 | 17 | 6 | 475 | 23 | 13 | 738 |
| Bulk Terminal | -- | -- | 21 | -- | -- | -- | -- | 2,191 | -- | -- | -- | -- | -- | 3,689 | 0 | 4 | 5,905 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 769 | -- | -- | -- | -- | -- | 1,149 | 149 | 5 | 2,072 |
| Natural Gas Processing Plant | 4 | 5 | 9 | 0 | 60 | 21 | 329 | 410 | 487 | 577 | 211 | 31 | 21 | 1,327 | 62 | 25 | 1,833 |
| Total | -- | -- | 43 | -- | -- | -- | -- | 3,584 | -- | -- | -- | -- | -- | 6,640 | 234 | 47 | 10,548 |
| Liquefied Petroleum Gases | | | | | | | | | | | | | | | | | |
| Refinery | 856 | 15 | 871 | 241 | 2,128 | 168 | 624 | 3,161 | 198 | 1,091 | 1,609 | 42 | 25 | 2,965 | 352 | 722 | 8,071 |
| Bulk Terminal | -- | -- | 987 | -- | -- | -- | -- | 22,329 | -- | -- | -- | -- | -- | 58,604 | 115 | 1,855 | 83,890 |
| Pipeline | -- | -- | 1,382 | -- | -- | -- | -- | 6,407 | -- | -- | -- | -- | -- | 5,350 | 1,232 | 0 | 14,371 |
| Natural Gas Processing Plant | 209 | 31 | 240 | 0 | 627 | 22 | 1,329 | 1,978 | 883 | 4,380 | 258 | 41 | 187 | 5,749 | 121 | 158 | 8,246 |
| Total | -- | -- | 3,480 | -- | -- | -- | -- | 33,875 | -- | -- | -- | -- | -- | 72,668 | 1,820 | 2,735 | 114,578 |
| Ethane | | | | | | | | | | | | | | | | | |
| Refinery | 7 | 0 | 7 | 0 | 6 | 19 | 0 | 25 | 0 | 7 | 0 | 0 | 0 | 12,689 | 0 | 0 | 39 |
| Bulk Terminal | -- | -- | 0 | -- | -- | -- | -- | 2,452 | -- | -- | -- | -- | -- | 1,891 | 130 | 0 | 15,141 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1,987 | -- | -- | -- | -- | -- | 1,269 | 1 | 0 | 4,008 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 24 | 0 | 290 | 314 | 62 | 1,185 | 0 | 1 | 21 | 1,269 | 131 | 0 | 1,584 |
| Total | -- | -- | 7 | -- | -- | -- | -- | 4,778 | -- | -- | -- | -- | -- | 15,856 | 131 | 0 | 20,772 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|---------------|-------------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | PAD Dist. V | West Coast |
| | | | | | | | | | | | | | | | | | |
| Propane for Petrochemical Feedstock Use | | | | | | | | | | | | | | | | | |
| Refinery | 63 | 0 | 63 | 0 | 82 | 0 | 2 | 84 | 2 | 6 | 121 | 0 | 0 | 129 | 0 | 0 | 276 |
| Total | -- | -- | 63 | -- | -- | -- | -- | 84 | -- | -- | -- | -- | -- | 129 | 0 | 0 | 276 |
| Propane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 717 | 5 | 722 | 2 | 1,391 | 18 | 162 | 1,573 | 62 | 55 | 1,099 | 4 | 2 | 1,222 | 174 | 302 | 3,993 |
| Bulk Terminal | -- | -- | 775 | -- | -- | -- | -- | 16,069 | -- | -- | -- | -- | -- | 28,895 | 114 | 494 | 46,347 |
| Pipeline | -- | -- | 1,227 | -- | -- | -- | -- | 3,413 | -- | -- | -- | -- | -- | 2,055 | 978 | 0 | 7,673 |
| Natural Gas Processing Plant | 190 | 31 | 221 | 0 | 481 | 10 | 674 | 1,165 | 475 | 1,608 | 145 | 15 | 109 | 2,352 | 80 | 138 | 3,956 |
| Total | -- | -- | 2,945 | -- | -- | -- | -- | 22,220 | -- | -- | -- | -- | -- | 34,524 | 1,346 | 934 | 61,969 |
| Normal Butane For Petro. Feed Use | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 44 | 0 | 4 | 0 | 1 | 0 | 5 | 3 | 2 | 54 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 44 | -- | -- | -- | -- | -- | 5 | 3 | 2 | 54 |
| Normal Butane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 55 | 10 | 65 | 198 | 400 | 43 | 295 | 936 | 91 | 796 | 180 | 27 | 17 | 1,111 | 131 | 382 | 2,625 |
| Bulk Terminal | -- | -- | 193 | -- | -- | -- | -- | 2,681 | -- | -- | -- | -- | -- | 11,785 | 1 | 1,129 | 15,789 |
| Pipeline | -- | -- | 125 | -- | -- | -- | -- | 607 | -- | -- | -- | -- | -- | 898 | 81 | 0 | 1,711 |
| Natural Gas Processing Plant | 18 | 0 | 18 | 0 | 100 | 10 | 278 | 388 | 292 | 1,070 | 76 | 15 | 46 | 1,499 | 34 | 14 | 1,953 |
| Total | -- | -- | 401 | -- | -- | -- | -- | 4,612 | -- | -- | -- | -- | -- | 15,293 | 247 | 1,525 | 22,078 |
| Isobutane | | | | | | | | | | | | | | | | | |
| Refinery | 14 | 0 | 14 | 41 | 249 | 44 | 165 | 499 | 43 | 223 | 209 | 10 | 6 | 491 | 44 | 36 | 1,084 |
| Bulk Terminal | -- | -- | 19 | -- | -- | -- | -- | 1,127 | -- | -- | -- | -- | -- | 5,235 | 0 | 232 | 6,613 |
| Pipeline | -- | -- | 30 | -- | -- | -- | -- | 400 | -- | -- | -- | -- | -- | 506 | 43 | 0 | 979 |
| Natural Gas Processing Plant | 1 | 0 | 1 | 0 | 22 | 2 | 87 | 111 | 54 | 517 | 37 | 10 | 11 | 629 | 6 | 6 | 753 |
| Total | -- | -- | 64 | -- | -- | -- | -- | 2,137 | -- | -- | -- | -- | -- | 6,861 | 93 | 274 | 9,429 |
| Other Hydrocarbons and Alcohol | | | | | | | | | | | | | | | | | |
| Refinery | 99 | 0 | 99 | 0 | 133 | 0 | 0 | 133 | 1 | 88 | 2 | 0 | 0 | 91 | 0 | 5 | 328 |
| Total | -- | -- | 99 | -- | -- | -- | -- | 133 | -- | -- | -- | -- | -- | 91 | 0 | 5 | 328 |
| Unfinished Oils | | | | | | | | | | | | | | | | | |
| Refinery | 3,161 | 142 | 3,303 | 46 | 2,757 | 132 | 975 | 3,910 | 644 | 7,940 | 5,700 | 247 | 68 | 14,599 | 514 | 4,696 | 27,022 |
| Naphtha and Lighter | 1,386 | 10 | 1,396 | 0 | 1,830 | 4 | 513 | 2,347 | 652 | 7,141 | 1,989 | 31 | 6 | 9,819 | 437 | 5,046 | 19,045 |
| Kerosene and Lighter Gas Oils | 4,634 | 317 | 4,951 | 108 | 4,462 | 336 | 1,659 | 6,565 | 830 | 9,175 | 6,451 | 112 | 190 | 16,758 | 994 | 9,207 | 38,475 |
| Heavy Gas Oils | 1,957 | 289 | 2,246 | 1 | 2,887 | 16 | 1,270 | 4,174 | 467 | 6,261 | 3,330 | 55 | 16 | 10,129 | 513 | 4,452 | 21,514 |
| Residuum | 11,138 | 758 | 11,896 | 155 | 11,936 | 488 | 4,417 | 16,996 | 2,593 | 30,517 | 17,470 | 445 | 280 | 51,305 | 2,458 | 23,401 | 106,056 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|---------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | Dist. V |
| | | | | | | | | | | | | | | | | | |
| Motor Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 6,022 | 77 | 6,099 | 44 | 4,745 | 537 | 1,801 | 7,127 | 1,291 | 8,090 | 6,020 | 94 | 272 | 15,767 | 1,604 | 7,389 | 37,986 |
| Bulk Terminal | -- | -- | 21 | -- | -- | -- | -- | 142 | -- | -- | -- | -- | -- | 223 | 1 | 149 | 536 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1 | -- | -- | -- | -- | -- | 0 | 0 | 0 | 1 |
| Total | -- | -- | 6,120 | -- | -- | -- | -- | 7,270 | -- | -- | -- | -- | -- | 15,990 | 1,605 | 7,538 | 38,523 |
| Aviation Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 46 | 0 | 31 | 77 | 0 | 36 | 87 | 0 | 0 | 123 | 0 | 11 | 211 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 77 | -- | -- | -- | -- | -- | 123 | 0 | 11 | 211 |
| Total Finished Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 5,269 | 179 | 5,448 | 97 | 6,333 | 814 | 2,598 | 9,842 | 2,139 | 8,215 | 4,805 | 998 | 208 | 16,365 | 2,042 | 7,534 | 41,231 |
| Bulk Terminal | -- | -- | 39,842 | -- | -- | -- | -- | 29,034 | -- | -- | -- | -- | -- | 11,658 | 1,641 | 9,814 | 91,989 |
| Pipeline | -- | -- | 14,540 | -- | -- | -- | -- | 16,564 | -- | -- | -- | -- | -- | 19,155 | 1,116 | 1,979 | 53,354 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 |
| Total | -- | -- | 59,830 | -- | -- | -- | -- | 55,440 | -- | -- | -- | -- | -- | 47,178 | 4,805 | 19,327 | 186,580 |
| Finished Leaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 2,093 | 98 | 2,191 | 37 | 2,923 | 447 | 1,305 | 4,712 | 1,065 | 3,386 | 1,759 | 328 | 113 | 6,651 | 1,166 | 3,074 | 17,794 |
| Bulk Terminal | -- | -- | 18,650 | -- | -- | -- | -- | 14,540 | -- | -- | -- | -- | -- | 5,153 | 1,078 | 4,699 | 44,120 |
| Pipeline | -- | -- | 5,543 | -- | -- | -- | -- | 8,162 | -- | -- | -- | -- | -- | 8,610 | 660 | 908 | 23,883 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| Total | -- | -- | 26,384 | -- | -- | -- | -- | 27,414 | -- | -- | -- | -- | -- | 20,414 | 2,909 | 8,681 | 85,802 |
| Finished Unleaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 3,176 | 81 | 3,257 | 60 | 3,410 | 367 | 1,293 | 5,130 | 1,074 | 4,829 | 3,046 | 670 | 95 | 9,714 | 876 | 4,460 | 23,437 |
| Bulk Terminal | -- | -- | 21,192 | -- | -- | -- | -- | 14,494 | -- | -- | -- | -- | -- | 6,505 | 563 | 5,115 | 47,869 |
| Pipeline | -- | -- | 8,997 | -- | -- | -- | -- | 8,402 | -- | -- | -- | -- | -- | 10,545 | 456 | 1,071 | 29,471 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total | -- | -- | 33,446 | -- | -- | -- | -- | 28,026 | -- | -- | -- | -- | -- | 26,764 | 1,896 | 10,646 | 100,778 |
| Finished Aviation Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 45 | 0 | 45 | 0 | 56 | 0 | 11 | 67 | 149 | 395 | 112 | 0 | 0 | 656 | 38 | 209 | 1,015 |
| Bulk Terminal | -- | -- | 336 | -- | -- | -- | -- | 365 | -- | -- | -- | -- | -- | 97 | 10 | 369 | 1,147 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 89 | -- | -- | -- | -- | -- | 0 | 0 | 30 | 216 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 25 |
| Total | -- | -- | 381 | -- | -- | -- | -- | 521 | -- | -- | -- | -- | -- | 845 | 48 | 608 | 2,403 |

See footnotes at end of table.

2025 RELEASE UNDER E.O. 14176

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | |
|--|----------------|----------------|--------|----------------|-----------------|---------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|-----------------|-----------------|---------------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | PAD District IV | | |
| | | | | | | | | | | | | | | | Rocky Mt. | | West Coast |
| Naphtha-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 384 | 30 | 414 | 0 | 563 | 82 | 155 | 800 | 322 | 780 | 374 | 164 | 217 | 1,857 | 245 | 825 | 4,141 |
| Bulk Terminal | -- | -- | 451 | -- | -- | -- | -- | 538 | -- | -- | -- | -- | -- | 161 | 7 | 500 | 1,657 |
| Pipeline | -- | -- | 142 | -- | -- | -- | -- | 112 | -- | -- | -- | -- | -- | 523 | 76 | 409 | 1,262 |
| Total | -- | -- | 1,007 | -- | -- | -- | -- | 1,450 | -- | -- | -- | -- | -- | 2,541 | 328 | 1,734 | 7,060 |
| Kerosene-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 1,208 | 0 | 1,208 | 37 | 1,349 | 189 | 306 | 1,881 | 317 | 3,528 | 2,987 | 10 | 83 | 6,925 | 451 | 3,482 | 13,947 |
| Bulk Terminal | -- | -- | 4,515 | -- | -- | -- | -- | 4,969 | -- | -- | -- | -- | -- | 2,031 | 233 | 1,680 | 13,428 |
| Pipeline | -- | -- | 3,479 | -- | -- | -- | -- | 2,484 | -- | -- | -- | -- | -- | 4,467 | 181 | 596 | 11,207 |
| Total | -- | -- | 9,202 | -- | -- | -- | -- | 9,334 | -- | -- | -- | -- | -- | 13,423 | 865 | 5,758 | 38,582 |
| Kerosene | | | | | | | | | | | | | | | | | |
| Refinery | 355 | 112 | 467 | 0 | 485 | 29 | 421 | 935 | 69 | 544 | 504 | 92 | 46 | 1,255 | 0 | 261 | 2,918 |
| Bulk Terminal | -- | -- | 3,043 | -- | -- | -- | -- | 1,026 | -- | -- | -- | -- | -- | 472 | 37 | 40 | 4,618 |
| Pipeline | -- | -- | 117 | -- | -- | -- | -- | 246 | -- | -- | -- | -- | -- | 587 | 0 | 0 | 950 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Total | -- | -- | 3,627 | -- | -- | -- | -- | 2,207 | -- | -- | -- | -- | -- | 2,315 | 37 | 301 | 8,487 |
| Distillate Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 5,863 | 369 | 6,232 | 73 | 6,452 | 1,705 | 3,221 | 11,451 | 1,027 | 8,937 | 4,218 | 1,084 | 258 | 15,524 | 2,197 | 5,054 | 40,458 |
| Bulk Terminal | -- | -- | 36,661 | -- | -- | -- | -- | 18,902 | -- | -- | -- | -- | -- | 6,398 | 779 | 4,700 | 67,440 |
| Pipeline | -- | -- | 6,288 | -- | -- | -- | -- | 8,906 | -- | -- | -- | -- | -- | 8,674 | 535 | 1,238 | 25,641 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Total | -- | -- | 49,181 | -- | -- | -- | -- | 39,259 | -- | -- | -- | -- | -- | 30,597 | 3,511 | 10,992 | 133,540 |
| Residual Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 2,372 | 76 | 2,448 | 50 | 1,486 | 274 | 183 | 1,993 | 349 | 3,586 | 2,706 | 168 | 18 | 6,827 | 532 | 7,027 | 18,827 |
| Bulk Terminal | -- | -- | 19,431 | -- | -- | -- | -- | 1,649 | -- | -- | -- | -- | -- | 2,383 | 0 | 2,245 | 25,708 |
| Pipeline | -- | -- | 5 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 132 | 137 |
| Total | -- | -- | 21,884 | -- | -- | -- | -- | 3,642 | -- | -- | -- | -- | -- | 9,210 | 532 | 9,404 | 44,672 |
| Naphtha < 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 283 | 0 | 283 | 0 | 99 | 0 | 58 | 157 | 82 | 773 | 473 | 35 | 0 | 1,363 | 0 | 74 | 1,877 |
| Total | 283 | 0 | 283 | 0 | 99 | 0 | 58 | 157 | 82 | 773 | 473 | 35 | 0 | 1,363 | 0 | 74 | 1,877 |
| Other Oils > 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 5 | 0 | 5 | 0 | 30 | 0 | 0 | 30 | 242 | 1,219 | 155 | 0 | 0 | 1,616 | 5 | 96 | 1,752 |
| Total | 5 | 0 | 5 | 0 | 30 | 0 | 0 | 30 | 242 | 1,219 | 155 | 0 | 0 | 1,616 | 5 | 96 | 1,752 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, August 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|------------------------------------|----------------|----------------|---------|-----------------|-----------------|---------------------|-------------------|---------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | West Coast |
| | | | | | | | | | | | | | | | | | |
| Special Naphthas | | | | | | | | | | | | | | | | | |
| Refinery | 57 | 30 | 87 | 0 | 120 | 0 | 134 | 254 | 46 | 985 | 119 | 137 | 0 | 1,287 | 7 | 248 | 1,883 |
| Bulk Terminal | -- | -- | 514 | -- | -- | -- | -- | 116 | -- | -- | -- | -- | -- | 20 | 0 | 29 | 679 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 52 |
| Total | -- | -- | 601 | -- | -- | -- | -- | 370 | -- | -- | -- | -- | -- | 1,359 | 7 | 277 | 2,614 |
| Lubricants | | | | | | | | | | | | | | | | | |
| Refinery | 1,180 | 845 | 2,025 | 0 | 809 | 0 | 475 | 1,284 | 27 | 3,088 | 1,348 | 588 | 199 | 5,250 | 65 | 508 | 9,132 |
| Bulk Terminal | -- | -- | 1,376 | -- | -- | -- | -- | 869 | -- | -- | -- | -- | -- | 251 | 2 | 614 | 3,112 |
| Total | -- | -- | 3,401 | -- | -- | -- | -- | 2,153 | -- | -- | -- | -- | -- | 5,501 | 67 | 1,122 | 12,244 |
| Waxes | | | | | | | | | | | | | | | | | |
| Refinery | 4 | 76 | 80 | 0 | 22 | 0 | 35 | 57 | 12 | 191 | 118 | 56 | 0 | 377 | 0 | 39 | 553 |
| Total | -- | -- | 80 | -- | -- | -- | -- | 57 | -- | -- | -- | -- | -- | 377 | 0 | 39 | 553 |
| Petroleum Coke | | | | | | | | | | | | | | | | | |
| Refinery | 892 | 0 | 892 | 0 | 294 | 376 | 135 | 805 | 0 | 252 | 786 | 206 | 0 | 1,244 | 159 | 1,669 | 4,769 |
| Bulk Terminal | 892 | 0 | 892 | 0 | 294 | 376 | 135 | 805 | 0 | 252 | 786 | 206 | 0 | 1,244 | 159 | 1,669 | 4,769 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Asphalt and Road Oil | | | | | | | | | | | | | | | | | |
| Refinery | 1,545 | 72 | 1,617 | 228 | 2,561 | 1,277 | 741 | 4,807 | 560 | 426 | 545 | 743 | 0 | 2,274 | 1,235 | 1,733 | 11,666 |
| Bulk Terminal | -- | -- | 2,853 | -- | -- | -- | -- | 2,879 | -- | -- | -- | -- | -- | 579 | 216 | 155 | 6,682 |
| Total | -- | -- | 4,470 | -- | -- | -- | -- | 7,686 | -- | -- | -- | -- | -- | 2,853 | 1,451 | 1,888 | 18,348 |
| Miscellaneous Products | | | | | | | | | | | | | | | | | |
| Refinery | 162 | 20 | 182 | 0 | 106 | 2 | 18 | 126 | 32 | 348 | 34 | 76 | 0 | 490 | 19 | 157 | 974 |
| Bulk Terminal | -- | -- | 112 | -- | -- | -- | -- | 37 | -- | -- | -- | -- | -- | 175 | 2 | 134 | 460 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 92 | -- | -- | -- | -- | -- | 277 | 0 | 150 | 519 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 10 | 0 | 0 | 3 | 0 | 13 | 0 | 0 | 16 |
| Total | -- | -- | 294 | -- | -- | -- | -- | 258 | -- | -- | -- | -- | -- | 955 | 21 | 441 | 1,969 |
| Total Stocks, All Oils | -- | -- | 192,894 | -- | -- | -- | -- | 259,892 | -- | -- | -- | -- | -- | 852,890 | 31,041 | 163,363 | 1,500,080 |

1. Includes 33,879 thousand barrels of domestic crude oil.
Source: See Explanatory Notes on Data Collection and Estimation.
-- Not Applicable.

2025 RELEASE UNDER E.O. 14176

Table 25. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, August 1984
(Thousand Barrels)

| State | Leaded Motor Gasoline | Unleaded Motor Gasoline | Kerosene | Distillate Fuel Oil | Residual Fuel Oil |
|-------------------------------|-----------------------|-------------------------|--------------|---------------------|-------------------|
| PAD District I Total | 20,841 | 24,449 | 3,510 | 42,893 | 21,879 |
| Connecticut | 489 | 772 | 63 | 2,025 | 251 |
| Delaware, D.C., Maryland | 891 | 1,397 | 137 | 3,386 | 2,167 |
| Florida | 2,406 | 3,395 | 147 | 2,103 | 1,000 |
| Georgia | 1,170 | 1,351 | 94 | 1,382 | 165 |
| Maine | 320 | 338 | 53 | 1,070 | 670 |
| Massachusetts | 1,205 | 1,036 | 78 | 3,244 | 953 |
| New Hampshire, Vermont | 28 | 39 | w | 359 | 185 |
| New Jersey | 2,703 | 5,235 | 803 | 11,458 | 8,830 |
| New York | 4,300 | 2,777 | 412 | 6,067 | 3,132 |
| North Carolina | 1,559 | 1,162 | 515 | 1,623 | 776 |
| Pennsylvania | 2,795 | 3,582 | 658 | 4,849 | 1,837 |
| Rhode Island | 292 | 512 | w | 1,178 | 103 |
| South Carolina | 897 | 1,013 | 185 | 1,294 | 573 |
| Virginia | 1,593 | 1,641 | 313 | 2,631 | 1,188 |
| West Virginia | 193 | 199 | 17 | 224 | 49 |
| PAD District II Total | 19,252 | 19,624 | 1,961 | 30,353 | 3,642 |
| Illinois | 3,618 | 4,065 | 237 | 5,542 | 951 |
| Indiana | 2,371 | 2,373 | 276 | 5,402 | 523 |
| Iowa | 759 | 752 | w | 1,429 | w |
| Kansas | 1,319 | 1,241 | 24 | 1,753 | 73 |
| Kentucky | 1,106 | 1,290 | 228 | 1,581 | 199 |
| Michigan | 1,925 | 1,874 | 188 | 2,574 | 321 |
| Minnesota | 1,052 | 811 | w | 1,715 | 300 |
| Missouri | 748 | 533 | w | 708 | w |
| Nebraska | 249 | 227 | 0 | 224 | 0 |
| North & South Dakota | 233 | 345 | 0 | 985 | w |
| Ohio | 2,728 | 2,926 | 429 | 3,300 | 483 |
| Oklahoma | 929 | 981 | 398 | 2,297 | 198 |
| Tennessee | 1,057 | 1,173 | 100 | 933 | 163 |
| Wisconsin | 1,158 | 1,033 | w | 1,910 | 145 |
| PAD District III Total | 11,804 | 16,219 | 1,727 | 21,922 | 9,210 |
| Alabama | 845 | 864 | 110 | 939 | 729 |
| Arkansas | 196 | 213 | w | 189 | 61 |
| Louisiana | 1,723 | 2,995 | 512 | 4,312 | 3,232 |
| Mississippi | 976 | 1,435 | 19 | 1,661 | 586 |
| New Mexico | 211 | 178 | w | 364 | 18 |
| Texas | 7,853 | 10,534 | 1,036 | 14,457 | 4,584 |
| PAD District IV Total | 2,244 | 1,439 | 37 | 2,976 | 532 |
| Colorado | 583 | 403 | 0 | 467 | 94 |
| Idaho | 220 | 81 | 0 | 208 | 0 |
| Montana | 545 | 393 | w | 1,007 | 90 |
| Utah | 293 | 187 | 0 | 496 | 212 |
| Wyoming | 503 | 375 | w | 798 | 136 |
| PAD District V Total | 7,773 | 9,575 | 301 | 9,754 | 9,272 |
| Alaska | 469 | 280 | w | 960 | w |
| Arizona | 321 | 304 | w | 278 | 0 |
| California | 4,231 | 6,303 | 200 | 5,147 | 6,772 |
| Hawaii | 258 | 220 | 0 | 274 | w |
| Nevada | 180 | 162 | w | 110 | w |
| Oregon | 648 | 567 | w | 888 | 307 |
| Washington | 1,666 | 1,739 | w | 2,097 | 1,369 |
| United States Total | 61,914 | 71,306 | 7,526 | 107,926 | 43,755 |

Table 26. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge between PAD Districts, August 1984
(Thousand Barrels)

| Commodity | From I to | | | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | | |
|---------------------------------------|-----------|-----|-----|---|---|------------|-------|-------|-----|--------|-------------|-----|-------|-------|-----|------------|-------|----|--------|----|-----------|--|--|--|--|
| | II | | III | V | | I | III | IV | V | I | II | IV | V | II | III | V | I | II | III | IV | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crude Oil (Tanker and Barge only) | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 431 | 926 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Petroleum Products | 9,170 | 409 | 0 | 0 | 0 | 2,635 | 8,971 | 2,286 | 119 | 74,237 | 33,552 | 0 | 1,908 | 1,897 | 716 | 1,110 | 0 | 0 | 0 | 0 | | | | | |
| Pentanes Plus | 0 | 0 | 0 | 0 | 0 | 0 | 858 | 0 | 0 | 0 | 1,422 | 0 | 0 | 97 | 120 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 706 | 5,273 | 55 | 0 | 2,075 | 7,840 | 0 | 0 | 676 | 596 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Unfinished Oils | 10 | 109 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 1,325 | 235 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,404 | 0 | 44,981 | 14,841 | 0 | 899 | 641 | 0 | 761 | 0 | 0 | 0 | 0 | | | | | |
| Finished Motor Gasoline | 6,275 | 0 | 0 | 0 | 0 | 1,203 | 1,973 | 737 | 0 | 15,957 | 7,365 | 0 | 460 | 393 | 0 | 480 | 0 | 0 | 0 | 0 | | | | | |
| Finished Leaded Motor Gasoline | 3,085 | 0 | 0 | 0 | 0 | 386 | 915 | 667 | 0 | 29,024 | 7,476 | 0 | 439 | 248 | 0 | 281 | 0 | 0 | 0 | 0 | | | | | |
| Finished Unleaded Motor Gasoline | 3,190 | 0 | 0 | 0 | 0 | 817 | 1,058 | 27 | 0 | 137 | 162 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 140 | 0 | 0 | 435 | 1 | 0 | 225 | 73 | 0 | 100 | 0 | 0 | 0 | 0 | | | | | |
| Naphtha-Type Jet Fuel | 80 | 81 | 0 | 0 | 0 | 118 | 21 | 560 | 0 | 8,564 | 2,615 | 0 | 283 | 0 | 82 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Kerosene-Type Jet Fuel | 250 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 122 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Kerosene | 24 | 0 | 0 | 0 | 0 | 237 | 546 | 240 | 0 | 15,010 | 5,340 | 0 | 393 | 410 | 0 | 167 | 0 | 0 | 0 | 0 | | | | | |
| Distillate Fuel Oil | 2,453 | 0 | 0 | 0 | 0 | 61 | 38 | 0 | 0 | 374 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Naphtha and Other Oils for Petro. | 43 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 369 | 194 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Feedstock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 553 | 227 | 0 | 108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Special Naphthas | 14 | 45 | 0 | 0 | 0 | 80 | 89 | 0 | 0 | 52 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Lubricants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51 | 527 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Waxes | 0 | 116 | 0 | 0 | 0 | 192 | 0 | 0 | 0 | 59 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Asphalt and Road Oil | 0 | 21 | 58 | 0 | 0 | 10 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Miscellaneous Products | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| Total All Products | 9,244 | 409 | 0 | 0 | 0 | 2,635 | 8,971 | 2,286 | 119 | 74,668 | 34,478 | 0 | 1,908 | 1,897 | 716 | 1,110 | 3,465 | 0 | 13,331 | 0 | | | | | |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 27. Movements of Petroleum Products by Pipeline between PAD Districts, August 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | From IV to | | | From V to | | |
|---------------------------------------|-----------|-----|---|------------|-------|-------|-------------|--------|----|------------|-------|-----|-----------|-----|----|
| | II | III | I | II | III | IV | I | II | IV | V | II | III | V | III | IV |
| Pentanes Plus | 0 | 0 | 0 | 0 | 858 | 0 | 0 | 1,422 | 0 | 0 | 0 | 97 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 706 | 55 | 0 | 1,965 | 0 | 0 | 0 | 676 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 4,703 | 0 | 0 | 1,014 | 1,973 | 1,404 | 35,634 | 14,087 | 0 | 899 | 641 | 0 | 761 | 0 | 0 |
| Finished Leaded Motor Gasoline | 2,256 | 0 | 0 | 326 | 915 | 737 | 12,845 | 7,038 | 0 | 460 | 393 | 0 | 480 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 2,447 | 0 | 0 | 688 | 1,058 | 667 | 22,789 | 7,049 | 0 | 439 | 248 | 0 | 281 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 27 | 10 | 136 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 103 | 0 | 0 | 118 | 21 | 560 | 6,257 | 2,262 | 0 | 225 | 73 | 0 | 100 | 0 | 0 |
| Kerosene-Type Jet Fuel | 16 | 0 | 0 | 0 | 0 | 0 | 91 | 0 | 0 | 283 | 0 | 0 | 82 | 0 | 0 |
| Kerosene | 1,708 | 0 | 0 | 170 | 528 | 240 | 12,096 | 5,042 | 0 | 0 | 410 | 0 | 167 | 0 | 0 |
| Distillate Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 393 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 6,530 | 0 | 0 | 2,008 | 8,793 | 2,286 | 56,413 | 30,790 | 0 | 1,800 | 1,897 | 716 | 1,110 | 0 | 0 |
| Total | | | | | | | | | | | | | | | |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 28. Movements of Crude Oil and Petroleum Products by Tanker and Barge between PAD Districts, August 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | | From V to | | | | |
|---|-----------|-----|---|------------|-----|-----|-------------|---------|----------|---------|-----------|-----|-------|-------|----------|
| | II | III | V | I | III | V | I | New Eng | Cent Atl | Low Atl | II | V | I | II | III |
| Crude Oil | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 431 | 0 | 431 | 0 | 926 | 0 | 3,465 | 0 13,331 |
| Petroleum Products | 2,640 | 409 | 0 | 627 | 178 | 119 | 17,824 | 597 | 3,757 | 13,470 | 2,762 | 108 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 0 | 0 | 110 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 10 | 109 | 0 | 0 | 0 | 119 | 1,325 | 0 | 1,236 | 89 | 235 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 121 | 0 | 0 | 121 | 83 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 1,572 | 0 | 0 | 189 | 0 | 0 | 9,347 | 105 | 682 | 8,560 | 754 | 0 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 829 | 0 | 0 | 60 | 0 | 0 | 3,112 | 14 | 79 | 3,019 | 327 | 0 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 743 | 0 | 0 | 129 | 0 | 0 | 6,235 | 91 | 603 | 5,541 | 427 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 127 | 0 | 39 | 88 | 26 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 80 | 81 | 0 | 0 | 0 | 0 | 75 | 14 | 0 | 61 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 147 | 0 | 0 | 0 | 0 | 0 | 2,307 | 165 | 508 | 1,634 | 353 | 0 | 0 | 0 | 0 |
| Kerosene | 8 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 745 | 0 | 0 | 67 | 18 | 0 | 2,914 | 278 | 405 | 2,231 | 298 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 61 | 38 | 0 | 374 | 0 | 95 | 279 | 0 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. Feed. Use | 43 | 0 | 0 | 28 | 0 | 0 | 9 | 0 | 0 | 9 | 10 | 0 | 0 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 369 | 35 | 267 | 67 | 194 | 0 | 0 | 0 | 0 |
| Lubricants | 14 | 45 | 0 | 80 | 89 | 0 | 553 | 0 | 434 | 119 | 227 | 108 | 0 | 0 | 0 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 52 | 0 | 45 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 116 | 0 | 192 | 0 | 0 | 51 | 0 | 15 | 36 | 527 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 21 | 58 | 0 | 10 | 33 | 0 | 59 | 0 | 24 | 35 | 10 | 0 | 0 | 0 | 0 |
| Total | 2,714 | 409 | 0 | 627 | 178 | 119 | 18,255 | 597 | 4,188 | 13,470 | 3,688 | 108 | 3,465 | 0 | 13,331 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 29. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker and Barge between PAD Districts, August 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | PAD District III | | | PAD District IV | | | PAD District V | | |
|---|----------------------|-----------------------|---------------------|-----------------------|------------------------|----------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|----------------------|----------------------|-----------------------|---------------------|
| | Receipts into PADD I | Shipments from PADD I | Net Receipts PADD I | Receipts into PADD II | Shipments from PADD II | Net Receipts PADD II | Receipts into PADD III | Shipments from PADD III | Net Receipts PADD III | Receipts into PADD IV | Shipments from PADD IV | Net Receipts PADD IV | Receipts into PADD V | Shipments from PADD V | Net Receipts PADD V |
| Crude Oil (Tanker and Barge only) | 3,896 | 74 | 3,822 | 1,000 | 0 | 1,000 | 13,331 | 1,357 | 11,974 | 0 | 0 | 0 | 0 | 16,796 | -16,796 |
| Petroleum Products | 76,872 | 9,579 | 67,293 | 44,519 | 14,011 | 30,608 | 10,096 | 109,697 | -99,601 | 2,286 | 3,723 | -1,437 | 3,137 | 0 | 3,137 |
| Pentanes Plus | 0 | 0 | 0 | 1,519 | 858 | 661 | 0 | 1,422 | -444 | 0 | 217 | -217 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 2,781 | 0 | 2,781 | 8,516 | 6,034 | 2,482 | 5,869 | 9,915 | -4,046 | 55 | 1,272 | -1,217 | 0 | 0 | 0 |
| Unfinished Oils | 1,325 | 119 | 1,206 | 245 | 119 | 126 | 109 | 1,560 | -1,451 | 0 | 0 | 0 | 119 | 0 | 119 |
| Motor Gasoline Blending Components | 121 | 0 | 121 | 83 | 0 | 83 | 0 | 204 | -204 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 46,184 | 6,275 | 39,909 | 21,757 | 4,580 | 17,177 | 1,973 | 60,721 | -58,748 | 1,404 | 1,402 | 2 | 1,660 | 0 | 1,660 |
| Finished Leaded Motor Gasoline | 16,343 | 3,085 | 13,258 | 10,843 | 2,038 | 8,805 | 915 | 23,782 | -22,867 | 737 | 873 | -136 | 940 | 0 | 940 |
| Finished Unleaded Motor Gasoline | 29,841 | 3,190 | 26,651 | 10,914 | 2,542 | 8,372 | 1,058 | 36,939 | -35,881 | 667 | 529 | 138 | 720 | 0 | 720 |
| Finished Aviation Gasoline | 137 | 0 | 137 | 162 | 27 | 135 | 0 | 299 | -299 | 27 | 0 | 27 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 435 | 161 | 274 | 154 | 140 | 14 | 221 | 661 | -440 | 0 | 173 | -173 | 325 | 0 | 325 |
| Kerosene-Type Jet Fuel | 8,682 | 250 | 8,432 | 2,865 | 699 | 2,166 | 21 | 11,462 | -11,441 | 560 | 82 | 478 | 365 | 0 | 365 |
| Kerosene | 122 | 24 | 98 | 24 | 0 | 24 | 0 | 122 | -122 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 15,247 | 2,453 | 12,794 | 8,203 | 1,023 | 7,180 | 546 | 20,743 | -20,197 | 240 | 577 | -337 | 560 | 0 | 560 |
| Residual Fuel Oil | 435 | 0 | 435 | 0 | 99 | -99 | 38 | 374 | -336 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. Feedstock Use | 37 | 43 | -6 | 53 | 28 | 25 | 0 | 19 | -19 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 369 | 0 | 369 | 194 | 0 | 194 | 0 | 563 | -563 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lubricants | 633 | 59 | 574 | 241 | 169 | 72 | 134 | 888 | -754 | 0 | 0 | 0 | 108 | 0 | 108 |
| Waxes | 52 | 0 | 52 | 45 | 0 | 45 | 0 | 97 | -97 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 243 | 116 | 127 | 527 | 192 | 335 | 116 | 578 | -462 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 69 | 79 | -10 | 31 | 43 | -12 | 91 | 69 | 22 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total All Products | 80,768 | 9,653 | 71,115 | 45,619 | 14,011 | 31,608 | 23,427 | 111,054 | -87,627 | 2,286 | 3,723 | -1,437 | 3,137 | 16,796 | -13,659 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 30. Production of Residual Fuel Oil by Sulfur Content, August 1984
(Thousand Barrels)

| Commodity | PAD District I | | PAD District II | | | | PAD District III | | | PAD District IV | | United States | | | | | |
|---------------------------------|----------------|----------------|-----------------|----------------|-----------------|---------------------|-------------------|-------|--------------|------------------|----------------|---------------|---------------|------------|-------|---------------|------------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | | No. La., Ark. | New Mexico | Total | PAD Rocky Mt. | PAD Dist. V West Coast |
| Residual Fuel Oil | 3,904 | 45 | 3,949 | 75 | 1,379 | 198 | 280 | 1,932 | 755 | 5,099 | 2,659 | 243 | 9 | 8,765 | 200 | 10,189 | 25,035 |
| 0.00 to 0.30% Sulfur | 763 | 18 | 781 | 0 | 81 | 4 | 0 | 85 | 91 | 218 | 401 | 98 | 6 | 814 | 64 | 454 | 2,198 |
| 0.31 to 1.00% Sulfur | 2,830 | 2 | 2,832 | 50 | 311 | 0 | 111 | 472 | 515 | 829 | 1,096 | 90 | 0 | 2,530 | 50 | 2,761 | 8,645 |
| Greater Than 1.00% Sulfur | 311 | 25 | 336 | 25 | 987 | 194 | 169 | 1,375 | 149 | 4,052 | 1,162 | 55 | 3 | 5,421 | 86 | 6,974 | 14,192 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 31. Stocks of Residual Fuel Oil by Sulfur Content, August 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|------------------|--------------|------------------|----------------|-----------------|------------|---------------|-------|-----------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | | Total | Rocky Mt. |
| Residual Fuel Oil -- 0.00 to 0.30% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 354 | 22 | 376 | 0 | 32 | 9 | 0 | 41 | 110 | 67 | 276 | 19 | 10 | 482 | 120 | 219 |
| Bulk Terminal | -- | -- | 3,656 | -- | -- | -- | -- | 136 | -- | -- | -- | -- | -- | 1 | 0 | 0 |
| Total | -- | -- | 4,032 | -- | -- | -- | -- | 177 | -- | -- | -- | -- | -- | 483 | 120 | 219 |
| Residual Fuel Oil -- 0.31 to 1.00% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 1,350 | 5 | 1,355 | 47 | 502 | 0 | 118 | 667 | 88 | 722 | 1,483 | 75 | 0 | 2,368 | 132 | 1,940 |
| Bulk Terminal | -- | -- | 6,486 | -- | -- | -- | -- | 378 | -- | -- | -- | -- | -- | 1,040 | 0 | 430 |
| Total | -- | -- | 7,841 | -- | -- | -- | -- | 1,045 | -- | -- | -- | -- | -- | 3,408 | 132 | 2,370 |
| Residual Fuel Oil -- Greater than 1.00% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 668 | 49 | 717 | 3 | 952 | 265 | 65 | 1,285 | 151 | 2,797 | 947 | 74 | 8 | 3,977 | 280 | 4,868 |
| Bulk Terminal | -- | -- | 9,289 | -- | -- | -- | -- | 1,135 | -- | -- | -- | -- | -- | 1,342 | 0 | 1,815 |
| Total | -- | -- | 10,006 | -- | -- | -- | -- | 2,420 | -- | -- | -- | -- | -- | 5,319 | 280 | 6,683 |
| Total | | | | | | | | | | | | | | | | |

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable

Table 32. Movements of Residual Fuel Oil by Tanker and Barge between PAD Districts, by Sulfur Content, August 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | From V to | | |
|---------------------------------|-----------|-----|---|------------|-----|----|-------------|---------|----------|-----------|-----|-----|
| | II | III | V | I | III | V | I | New Eng | Cent All | Low All | II | III |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 61 | 38 | 0 | 374 | 0 | 95 | 279 | 0 |
| 0.00 to 0.30% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greater Than 1.00% Sulfur | 0 | 0 | 0 | 0 | 61 | 38 | 0 | 374 | 0 | 95 | 279 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 33. Imports of Residual Fuel Oil by Country of Origin, August 1984
(Thousand Barrels)

| Country | Residual Fuel Oil | | | Total |
|----------------------------------|-------------------|------------------|-----------------------|-------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| Arab OPEC | | | | |
| Algeria | 1,752 | 0 | 0 | 1,752 |
| Iraq | 0 | 0 | 0 | 0 |
| Kuwait | 0 | 0 | 0 | 0 |
| Libya | 0 | 0 | 0 | 0 |
| Qatar | 0 | 0 | 0 | 0 |
| Saudi Arabia | 0 | 0 | 0 | 0 |
| United Arab Emirates | 0 | 0 | 0 | 0 |
| Subtotal Arab OPEC | 1,752 | 0 | 0 | 1,752 |
| Other OPEC | | | | |
| Ecuador | 179 | 0 | 354 | 533 |
| Gabon | 0 | 0 | 0 | 0 |
| Indonesia | 662 | 87 | 7 | 755 |
| Iran | 0 | 0 | 0 | 0 |
| Nigeria | 163 | 0 | 0 | 163 |
| Venezuela | (s) | 0 | 1,772 | 1,773 |
| Subtotal Other OPEC | 1,004 | 87 | 2,133 | 3,224 |
| Other | | | | |
| Angola | 0 | 241 | 0 | 241 |
| Australia | 0 | 114 | 1 | 115 |
| Bahamas | 226 | 321 | 0 | 546 |
| Bolivia | 0 | 0 | 0 | 0 |
| Brazil | 646 | 0 | 0 | 646 |
| Brunei | 0 | 0 | 0 | 0 |
| Canada | 48 | 193 | 284 | 524 |
| Congo | 0 | 201 | 0 | 201 |
| Egypt | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 0 | 0 |
| Ghana | 131 | 0 | 0 | 131 |
| Liberia | 0 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 |
| Mexico | 0 | 0 | 25 | 25 |
| Netherlands | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 1,161 | 224 | 3,156 | 4,541 |
| Norway | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 |
| Romania | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 0 |
| Syria | 0 | 0 | 0 | 0 |
| Trinidad | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 |
| United Kingdom | 0 | 0 | 0 | 0 |
| Virgin Islands | 513 | 2,034 | 1,533 | 4,081 |
| Yugoslavia | 0 | 0 | 0 | 0 |
| Zaire | 0 | 0 | 0 | 0 |

See footnotes at end of table.

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Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, August 1984
(Thousand Barrels)
(continued)

| Country | Residual Fuel Oil | | | Total |
|--------------------------------|-------------------|------------------|-----------------------|--------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| Other | | | | |
| Other Western Hemisphere | 9 | 0 | 0 | 9 |
| Other Eastern Hemisphere | 1,283 | 387 | 23 | 1,693 |
| Subtotal Other | 4,016 | 3,716 | 5,022 | 12,753 |
| Total Imports | 6,772 | 3,802 | 7,155 | 17,729 |

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 34. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, August 1984
(Thousand Barrels)

| State | Residual Fuel Oil | | | Total |
|-------------------------|-------------------|------------------|-----------------------|--------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| PAD District I | 4,217 | 3,577 | 6,780 | 14,574 |
| Connecticut | 0 | 224 | 0 | 224 |
| Florida | 0 | 1,019 | 1,047 | 2,065 |
| Georgia | 0 | 0 | 62 | 62 |
| Maine | 0 | 0 | 529 | 529 |
| Maryland | 0 | 0 | 372 | 372 |
| Massachusetts | 488 | 0 | 1,302 | 1,790 |
| New Hampshire | 0 | 0 | 60 | 60 |
| New Jersey | 663 | 513 | 935 | 2,112 |
| New York | 2,348 | 1,115 | 841 | 4,304 |
| North Carolina | 0 | 0 | 538 | 538 |
| Pennsylvania | 401 | 656 | 351 | 1,408 |
| South Carolina | 0 | 50 | 309 | 359 |
| Vermont | 8 | 0 | 0 | 8 |
| Virginia | 309 | 0 | 434 | 743 |
| PAD District II | 11 | 0 | 1 | 12 |
| Michigan | (s) | 0 | 0 | (s) |
| Minnesota | 7 | 0 | 1 | 8 |
| North Dakota | 4 | 0 | (s) | 5 |
| PAD District III | 2,542 | 0 | 332 | 2,874 |
| Louisiana | 576 | 0 | 312 | 888 |
| Texas | 1,966 | 0 | 20 | 1,986 |
| PAD District IV | 1 | 0 | 7 | 8 |
| Montana | 1 | 0 | 7 | 8 |
| PAD District V | (s) | 225 | 36 | 261 |
| California | 0 | 0 | 5 | 5 |
| Hawaii | (s) | 219 | 31 | 250 |
| Washington | 0 | 6 | 0 | 6 |
| All PAD Districts | 6,772 | 3,802 | 7,155 | 17,729 |

(s) = Less than 500 barrels.

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Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}-(\text{CH})_n-\text{OH}$. Alcohol includes methanol and ethanol.

Alkylation. A refinery process for chemically combining isoparaffin with olefin hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr } 60\text{F}/60\text{F}} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene.

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation gasoline.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt and wax to barrels are given in the definitions for these products.

Barrels Per Calendar Day. See *Operable Capacity*.

Barrels Per Stream Day. See *Operable Capacity*.

Bi-Metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g. platinum, rhenium).

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon, (C_4H_{10}). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C_4H_8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil.

Catalytic Hydrocracking. A refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. naphthas, reformer feeds and heavy gas oils) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the conversion of low-octane gasoline fractions into higher octane stocks suitable for blending into finished gasoline; also the conversion of naphthas to obtain a more volatile product of higher octane number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g. platinum, alumina).

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. In-

cludes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite and oil shale. Drip gases are also included, but topped crude oil (residual) oil and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process to produce low Conradson carbon gas oil for catalytic cracking feedstock and for gasoline.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F. at the 10-percent point and 550 degrees F. at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a boiling range between 300-575 degrees F. and used in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees F. for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C₂H₆). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinic hydrocarbon, (C₂H₄), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Fluid Coking. A thermal process utilizing the fluidized-solids technique for continuous conversion of heavy, low-grade oils into lighter products.

Gasohol. See **Motor Gasoline (Finished)**.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillate-type fuel oils and diesel fuel, also cracked to produce gasoline.

Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation or motor gasoline.

Idle Capacity. The component of operable capacity that is not in operation and not under active repairs, but capable of being placed in operation within 30 days; and capacity not in operation but under active repairs that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported

crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See *Butane*.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alkylation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that boils at a temperature between 300-550 degrees F., that has a flash point higher than 100 degrees F. by ASTM Method D56, that has a gravity range from 40-46 degrees API, and that has a burning point in the range of 150-175 degrees F. Included are the two classifications recognized by ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees F. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 percent distillation temperature of 400 degrees F. It is covered by ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and nonassociated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liquefied Petroleum Gases (LPG). Ethane, Ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/ or refrigeration they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas used for chemical or rubber manufacture which is reported as a petrochemical feedstock and also excludes liquefied petroleum gases intended for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstock or other uses.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrofining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a boiling range of 122-158 degrees F. at the 10-percent point to 365-374 degrees F. at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. The actual lead content of any given gallon, however, may vary as a function of the size of the producer and company according to specific Environmental Protection Agency waiver provisions. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blend stock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specification of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: Ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e. products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C₅H₁₂), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See *Butane*.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation, and not under active repairs but capable of being placed in operation within 30 days; or not in operation but under active repairs that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed in an atmos-

pheric distillation facility during a twenty-four hour period after making allowances for the following limitations:

The capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation.

The types and grades of inputs to be processed.

The types and grades of products expected to be manufactured.

The environmental constraints associated with refinery operations.

The reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs and turnaround.

The reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline and plant condensate.

Petrochemical Feedstock Use. Chemical feedstocks derived from petroleum, principally for the manufacture of chemicals, synthetic rubber and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F. end-point" and "Other oils over 400 degrees F. end point."

Naphtha-Less Than 400 Degrees F. End-Point. A naphtha with an end point of less than 400 degrees F. that is intended for use as a petrochemical feedstock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.

Catalyst Coke. In many catalytic operations (i.e., catalytic cracking) carbon is deposited on the catalyst thus, deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refinery process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400 F. end-point, other oils-over 400 F. end-point, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Petroleum Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in transit from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks excludes stocks of foreign origin that are held in bonded warehouse storage.

Propane. A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D1835.

Propylene. An olefinic hydrocarbon, (C₃H₆), recovered from refinery processes or petrochemical processes.

Residual Fuel Oil. The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Special Naphthas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees F. "Special naphthas" includes all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Petrochemical Feedstock Use. Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, less the amount of such streams returned to the source refinery. Finished petrochemical products are not included. For example, polyethylene, butadiene, etc. are considered petrochemical products; therefore, only their feedstock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series pre-

dominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42-U.S. gallon barrel.

Microcrystalline Wax. Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics:

Penetration at 77 degrees F. (D1321)-60 maximum. Viscosity at 210 degrees F. in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.51 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and adjacent islands.

Bureau of Mines Petroleum Refining Districts and PAD Districts

The following are the Bureau of Mines petroleum refining districts which make up the PAD districts:

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalachian #2: The following counties of the State of Ohio: Erie, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ross, Pike, Scioto, and all counties east thereof.

Indiana—Illinois—Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and that part of the State of Ohio not included in the Appalachian District.

Minnesota—Wisconsin—North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma—Kansas—Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana—Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

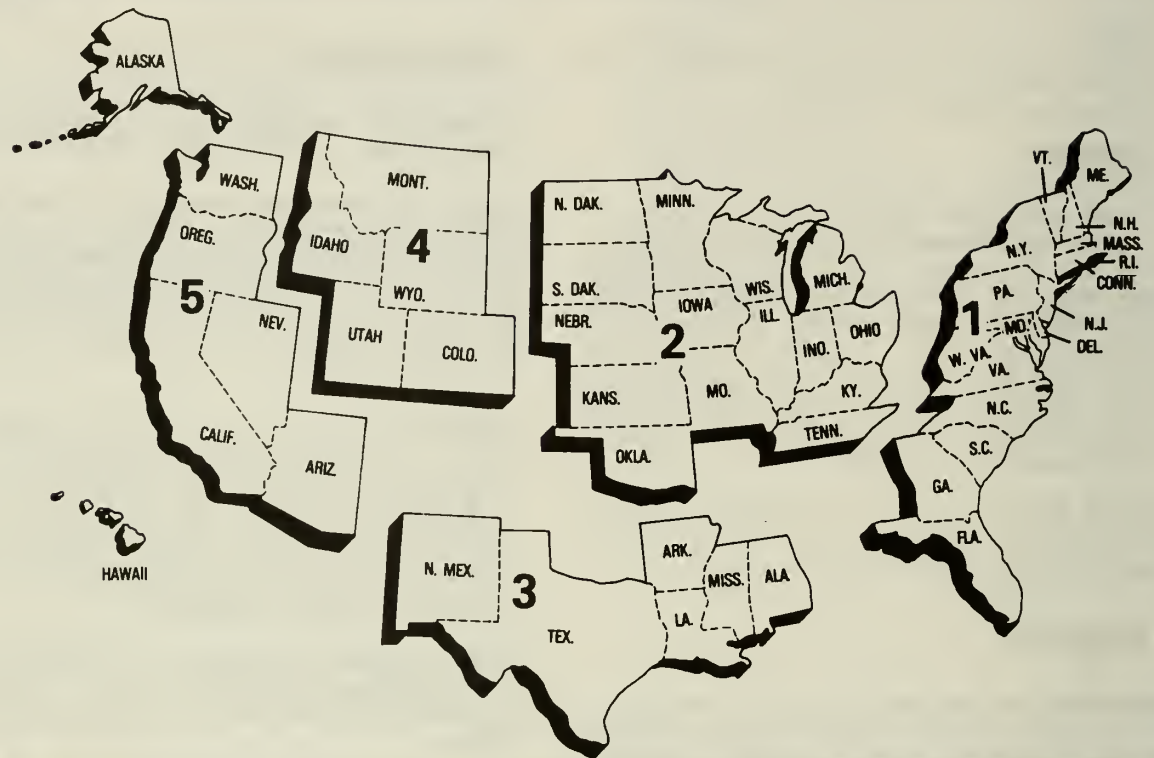
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

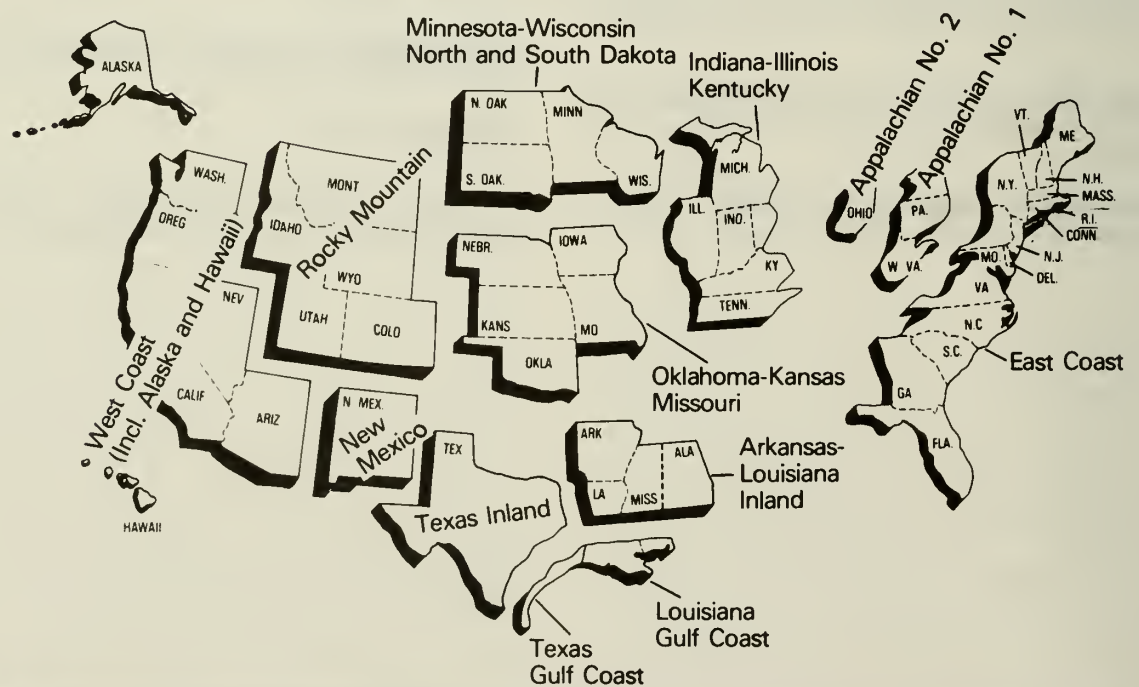
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Bureau of Mines Refining Districts



District Map Oil and Gas Division Railroad Commission of Texas



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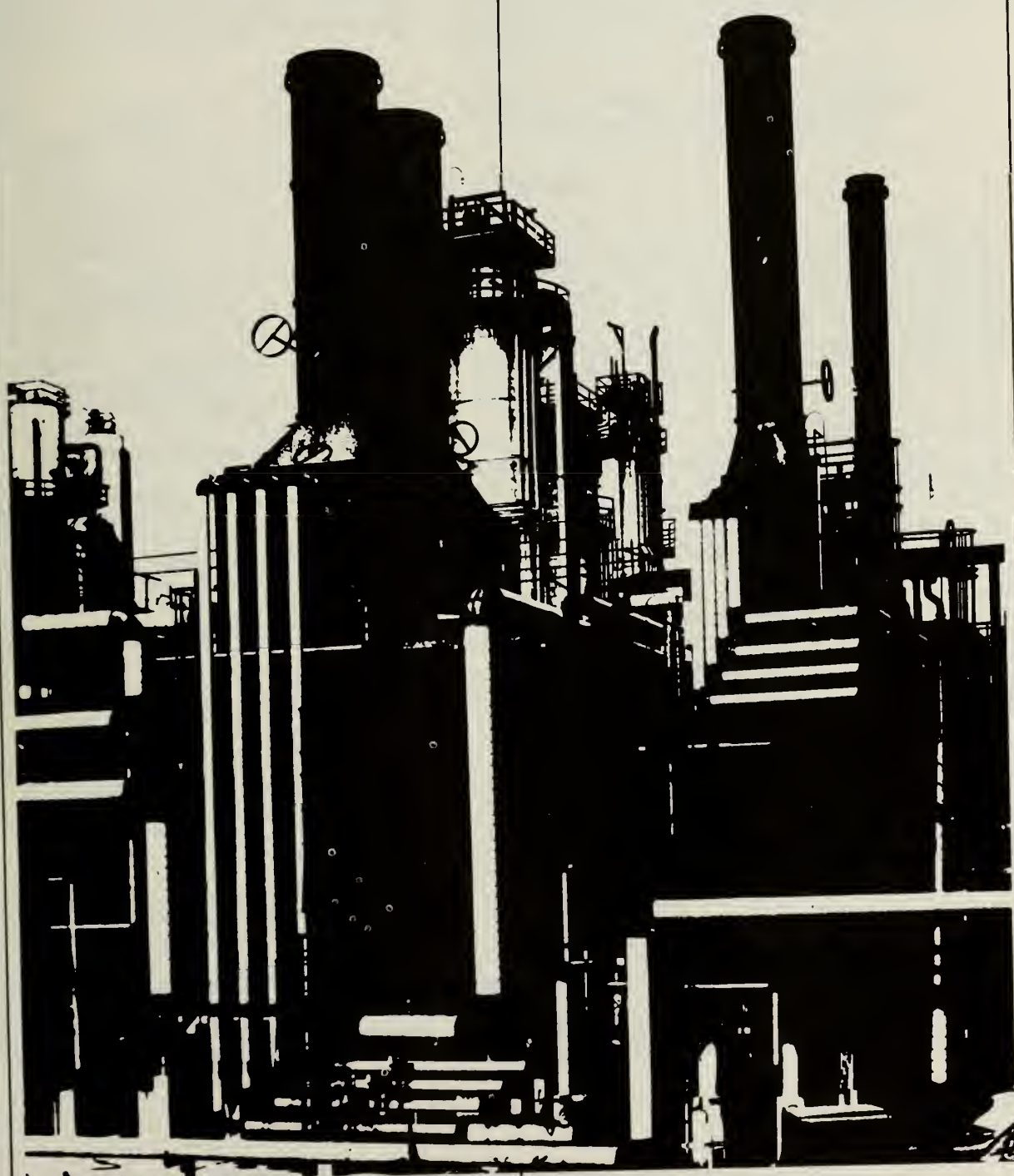
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Explanatory Notes

1. The first column is the name of the component.
2. The second column is the description of the component.
3. The third column is the location of the component.
4. The fourth column is the date of the inspection.
5. The fifth column is the name of the inspector.



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Explanatory Notes

Note 1: Data Collection Methodology

Background

Beginning in January 1983, the Energy Information Administration (EIA) unified its petroleum supply data collection activities into the Petroleum Supply Reporting System (PSRS). The PSRS represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The primary focus of the consolidation has been to revise the weekly and monthly survey reporting forms to assure consistency in form layout, preparation instructions, and definitions. As a result, a new set of survey forms were implemented in January 1983. The following are the new form numbers and their corresponding predecessor forms:

| New Form Number | Name | Old Form Number |
|-----------------|--|-----------------|
| EIA-800 | Weekly Refinery Report | EIA-161 |
| EIA-801 | Weekly Bulk Terminal Report | EIA-162 |
| EIA-802 | Weekly Product Pipeline Report | EIA-163 |
| EIA-803 | Weekly Crude Oil Stocks Report | EIA-164 |
| EIA-804 | Weekly Imports Report | EIA-165 |
| EIA-805 | Weekly Shipments from Puerto Rico to the United States Report | — |
| EIA-810 | Monthly Refinery Report | EIA-87 |
| EIA-811 | Monthly Bulk Terminal Report | EIA-88 |
| EIA-812 | Monthly Product Pipeline Report | EIA-89 |
| EIA-813 | Monthly Crude Oil Report | EIA-90 |
| ERA-60 | Monthly Imports Report | ERA-60 |
| EIA-815 | Monthly Shipments from Puerto Rico to the United States Report | FEA-P133-M-0 |
| EIA-816 | Monthly Natural Gas Liquids Report | EIA-64 |
| EIA-817 | Monthly Tanker and Barge Movement Report | EIA-170 |

Forms EIA-800 through 805 comprise the Weekly Petroleum Supply Reporting System (WPSRS). This system is designed to collect basic refinery operations and product stock data for major products on a weekly basis. Data from the WPSRS are published in the *Weekly Petroleum Status Report (WPSR)* and are also used to calculate the preliminary statistics in the "Summary Statistics" section of the *Petroleum Supply Monthly*

(PSM). A description of the WPSRS survey forms follows in Note 1.1.

Forms EIA-810-813, 815-817 and ERA-60 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery operations data, refinery, bulk terminal and pipeline stocks data, crude oil and petroleum product imports data and movements of petroleum products and crude oil between PAD Districts data. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the PSM. A description of MPSRS survey forms follows in Note 1.2.

Data are also obtained in magnetic tape form from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSM. A description of the Census data follows in Note 1.3.

Note 1.1: Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first began publishing weekly petroleum supply statistics in April 1979 in response to the Iranian oil crisis. Initially, the published data were taken from the American Petroleum Institute (API) *Weekly Statistical Bulletin*. However, in January 1980 the EIA began to publish weekly statistics from its own surveys, with the exception of imports statistics which the EIA did not begin collecting until June 1980.

The weekly surveys collect data comparable to those collected on a monthly basis. Selected petroleum companies report weekly data to the EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports each shipment entering the United States. On Form EIA-805, a company shipping unfinished oils and finished petroleum products into the United States from Puerto Rico reports each shipment. Current weekly data and the most recent monthly data are used to estimate the totals that are published in the *Weekly Petroleum Status Report*.

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-800: Based on the EIA-810 universe, which includes all petroleum refineries in the United States and

its territories, industrial facilities that have crude oil distillation capacity and produce some refined petroleum products, and plants that produce finished motor gasoline through mechanical blending. The selected sample size is 215.

EIA-801: Based on the EIA-811 universe, which includes all bulk terminal facilities in the United States and its territories that have either a total bulk storage capacity of 50,000 barrels or more, or that receive petroleum products by tanker, barge, or pipeline. The selected sample size is 93.

EIA-802: Based on the EIA-812 universe, which includes all petroleum product pipeline companies in the United States and its territories that transport refined petroleum products, including interstate, intrastate and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-802 frame. Only those pipeline companies that transport products covered in the weekly survey are included. The selected sample size is 65.

EIA-803: Based on the EIA-813 universe, which consists of all companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-804: Based on the ERA-60 universe, which includes all importers of record of crude oil and petroleum products into the United States and Puerto Rico. The selected sample size is 65.

EIA-805: Based on the EIA-815 universe, which includes all shippers of unfinished oils and petroleum products into the United States from Puerto Rico. Four companies report.

Sampling Method

The cut-off method is the sampling procedure used for all weekly surveys except the EIA-802, which uses the monthly universe in its entirety. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous 12-month period. Companies are chosen for the sampling, beginning with the largest and adding companies until the total sample covers 90 percent of the total for the previous time period for each product published in the *Weekly Petroleum Status Report*.

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period closes each Friday at 7 a.m. All canvassed firms and terminal operations companies must file by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M_t) is divided by the amount reported by the sample of companies for the most recent month (M_s). The result is multiplied by the amount reported by the sample of companies for the current week (W_s). The answer, W_t , is an estimate of the amount that would have been reported by all companies for the current week if all companies reported each week.

$$W_t = \frac{M_t}{M_s} (W_s)$$

This procedure is used to estimate total weekly inputs to refineries and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-by-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of weekly imports is the sum of the smoothed ratio multiplied by the weekly values and estimates for shipments from Puerto Rico. Imports of other oils includes an adjustment from Census data for unlicensed products because of coverage differences between the monthly imports data and Census data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 95 and 98 percent.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems

were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movements of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and plants that produce finished motor gasoline through the mechanical blending of liquids which are operated or controlled in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, the Hawaiian Foreign Trade Zone, and Guam. Approximately 313 respondents report on the EIA-810.

EIA-811: All bulk terminal facilities in the 50 States and the District of Columbia, Puerto Rico, and the Virgin Islands that (a) have a total bulk storage capacity of 50,000 barrels or more and/or (b) receive petroleum products by tanker, barge, or pipeline, regardless of ownership of the material. Approximately 328 respondents report on the EIA-811.

EIA-812: All products pipeline companies that carry petroleum products (including interstate, intrastate and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 94 respondents report on the EIA-812.

EIA-813: All companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-815: All licensed importers and importers of record shipping petroleum products from Puerto Rico into the 50 States and the District of Columbia.

Import data from the ERA-60 and EIA-815 are integrated into the import statistics reported in the *PSM*.

EIA-816: All operators of facilities designed to extract liquid hydrocarbons from natural gas stream (natural gas processing plants) or to separate a hydrocarbon stream into its component products, i.e., propane, butane, natural gasoline, etc. (fractionators). Approximately 990 respondents report on the EIA-816.

EIA-817: All known companies and plants that have custody of crude oil and petroleum products transported by tanker and barge between PAD Districts or between PAD Districts and the Panama Canal. There are about 50 respondents.

ERA-60: All licensed importers and importers of record importing crude oil and petroleum products into the

United States and Puerto Rico. The respondent universe consisted of approximately 1,100 firms as of July 31, 1982. However, only a selected 250 importers must report each month regardless of import activity. All others must report only for a month in which they actually had imports. The respondent universe for this survey is updated whenever an import license is granted by the Office of Oil Imports of the ERA.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *LP Gas Almanac* for information on facilities or companies going into operation or closing down. These are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Periodically an extensive survey study is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th day following the end of the report month, with the exception of the EIA-815 and ERA-60 which are due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline, for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed only for nonresponding companies that submitted reports the previous month. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. In the event that the previous month's data were estimated, the respondent is contacted and requested to submit estimates, if necessary, to be followed by submission of actual data. Data for nonrespondents on the EIA-815 and 817, and ERA-60 are not imputed.

Response Rates

As of the filing deadline, the response rates of the EIA-810 through EIA-813 respondents is over 90 per-

cent. The response rate for the EIA-816 is over 85 percent and for the EIA-817 it is 98 percent. All companies that have not responded are contacted by telephone. Although data are taken by telephone to expedite processing, a certified submission is still required. Names of companies that fail to file for 2 consecutive months are forwarded for further noncompliance action.

In July 1983, the ERA-60 survey had a response rate of 99.9 percent by the filing deadline. The universe was 1,100 firms at that time. (Because this is a dynamic survey, the universe is constantly changing.) Standard follow-up of nonrespondents is made to insure that all reports are received, since data are not imputed for nonrespondents. In addition, response is cross-checked with response on the Petroleum Licensing Decrementation System (PLDS), a listing of each month's importers. The response rate is generally 98 to 99 percent by the time the data are first published.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data provide the only source of export statistics and are used to augment the import data collected by the EIA. Export statistics and import data from the Census tapes on liquefied petroleum gases and bonded ship bunkers are published in the PSM.

Import Statistics (IM-145)

Coverage

The import statistics reflect both government and non-government imports of merchandise from foreign countries into the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico), without regard to whether or not a commercial transaction is involved. In general, the statistics record the physical movement of merchandise into the United States from foreign countries, with the exception of the following types of transactions that are excluded from the statistics:

1. Merchandise in-transit through the United States, when documented with Customs as an in-transit movement.
2. Shipments from anywhere to U.S. possessions and shipments from U.S. possessions to the United States. (U.S. possessions include Puerto Rico, the Virgin Islands, Guam, and American Samoa.)
3. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Imported petroleum is reported as *Imports for Consumption*. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. With certain exceptions as indicated above, these data generally reflect the total of commodities entered into U.S. consumption channels.

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Coverage

The export statistics reflect both government and non-government exports of domestic and foreign merchandise from the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico) to foreign countries, without regard to whether or not the exportation involves a commercial transaction. In general, the statistics record the physical movement of merchandise out of the United States to foreign countries, with the exception of the following types of transactions:

1. All shipments from U.S. possessions, regardless of whether the shipments are sent to the United States, to other U.S. possessions, or to foreign countries.
2. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
3. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census primarily from copies of Shipper's Export Declarations. Exporters are required to file Shipper's Export Declarations with Customs officials. The only exceptions are those exporters who have been authorized to submit data directly to the Bureau of Census on magnetic tape, punched cards, or monthly Shipper's Summary Export Declarations.

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. For survey description and other detail, see Explanatory Note 1.2.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

Imports of crude oil and petroleum products are reported monthly on Form ERA-60, *Report of Oil Imports into the United States and Puerto Rico*, and Form EIA-815, *Shipments of Refined Products (Including Unfinished Oils) from Puerto Rico to the United States*. In addition, the Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. The most prominent difference between the EIA and Census systems appears in imports of liquefied petroleum

gases (LPG), where the Census data show a much higher level of imports than EIA data. This occurs because the ERA-60 respondent frame was built by monitoring importers of licensed products and LPGs are not licensed products. Therefore, respondents that import only LPGs have not been identified, and do not report these imports to the Department of Energy. Since these importers are required to file form 7501 with the U.S. Customs Service, EIA obtains data on imports of LPGs from the IM-145 are relatively small quantities of naphtha- and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the ERA-60 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the month from stocks at the beginning of the same month. (Note: The beginning stocks of one month are equal to the ending stocks of the previous month.) A positive result (+) would represent a withdrawal from stocks and an increase in petroleum supplies distributed for domestic consumption. A negative result (-) would represent a buildup of stocks and a reduction in the amount of petroleum supplies distributed for domestic consumption. For a description of survey forms used to make stock withdrawal or addition calculations see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition.

Crude oil supply is the sum of field production, imports and stock withdrawals or additions. Crude oil disposition is the sum of exports, refinery input, losses and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supplies from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by each of the State conservation agencies, which collect crude oil production values for tax purposes. The U.S. Geological Survey reports the volume of crude oil that is produced offshore in Federally-owned waters. With the exception of ten State conservation agencies, all of these reports are received monthly. After each calendar year, these monthly numbers are updated using the annual reports

from the State conservation agencies and the U.S. Geological Survey. The ten States that do not report monthly values are Indiana, Kentucky, Missouri, Arkansas, Utah, New York, Ohio, Pennsylvania, West Virginia, and Wyoming. Monthly values are estimated for these States using the individual linear trends of their historical annual crude oil production values.

There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information on crude oil production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the EIA's Dallas Field Office prepares a series of State level estimates which are based on historical production patterns and are summed to obtain the monthly crude oil production values shown in the summary statistics of this publication.

The individual State level estimates are either exponential curve fitted projections based on recent data or are constant level projections based on the average production rate during a recent time period. In some cases, adjustments are made to these estimates based on additional information on expected changes in production rates supplied by a State agency, a trade association, or an individual field operator.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries. Crude oil losses at refineries are reported on Form EIA-810, *Refinery Report*.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawaiian Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refineries located in these places.

Product Supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus re-

finery input, minus exports. This formula ensures that total disposition equals total supply.

Products supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of that product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported, (2) data were misreported or reported late, (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Stocks of crude oil are also reported weekly on Form EIA-800, *Weekly Refinery Report*, and on Form EIA-803, *Weekly Crude Oil Stocks Report*. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or stocks held by consumers. Petroleum product stocks are also reported weekly on Form EIA-800, *Weekly Refinery Report*, Form EIA-801, *Weekly Bulk Terminal Report*, and Form EIA-802, *Weekly Crude Oil Stocks Report*. For survey descriptions and other details, see Explanatory Notes 1.1 - 1.3.

Note 6: Average Stock Levels

The graphs displaying monthly stock levels of crude oil, motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases provide the user with recent data as well as a summary of data from January through December or from July through June for the most recent 3-year period. This summary takes the form of an *average range* that includes seasonal variation determined from a longer time period. The average range represents the historical pattern; it is not a forecast.

These curves are updated semiannually (in April and October), by basing the *average ranges* on a more recent time period. Each 3-year data series is adjusted by dropping the first 6 months and including the most recent 6 months.

For each data series, the monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive. The series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported stock levels. The intent of deseasonalization is to remove only seasonal variation from the data. Thus, a deseasonalized series would contain the same trends and irregularities as the original data. The seasonal factors for distillate fuel oil, residual fuel oil, and liquefied petroleum gases were derived using monthly data for 1977-1983. For motor gasoline, the seasonal factors are based on monthly data for 1978-1983. In 1977, there was virtually no seasonal behavior in motor gasoline stocks. Monthly stock levels stayed at the same high level for the entire year.

After seasonal factors are derived, the most recent 3-year period (from January through December or from July through June) is deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard error of the deseasonalized 36 months is calculated adjusting for extreme data points. The width of the *average range* is twice this standard error.

The upper curve of the *average range* is defined as the average plus the seasonal factors plus the standard error. The lower curve is defined as the average plus the seasonal factors minus the standard error.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Forms EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other detail, see Explanatory Note 1.2.

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, and 804) are used to estimate the most recent monthly values for the *Summary Statistics* section. Since some of the weekly reporting periods overlap two adjacent months,

it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-of-month stock levels of crude oil and the major products (motor gasoline, distillate fuel oil, and residual fuel oil) are calculated in a similar manner, but use only the two weekly reporting periods that cover the end-of-week stocks before and after the end of the month. The end-of-month stock level is calculated by first calculating the stock change between the two weeks. The daily stock change between the two end-of-week stock levels is then calculated. This number is multiplied by the weighting factor of the earlier of the two weeks (the week that covers the last day of the month of interest). This change is added to the earlier of the two end-of-week stock levels to estimate the end-of-month stock level.

Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 4. Total Production and Crude Oil Production appear under Field Production in Table 4.

- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.

- Petroleum Products Imports is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.

- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 9.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the Detailed Statistics, except where noted.

- Total Domestic Field Production, Alaskan Field Production, SPR Imports, Other Imports (synonymous with Imports Gross Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unac-

counted For Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.

- Crude Losses and Product Supplied appear as labeled in Table 4.

- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.

- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.

- Total Imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Ending Stocks appear in thousand barrels in Table 2.

Note 9.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, propane, butane, butane-propane mixtures, ethane-propane mixtures, and isobutane. The statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.

- Ending stocks appear in thousand barrels in Table 2.

Note 9.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on natural gasoline, isopentane, unfractionated stream, plant condensate, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, and residual fuel oil. The statistics on the referenced line are aggregated from Table 4 of the Detailed Statistics, except where noted.

- Total Production is the aggregated sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 4.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska, Lower 48 States*, and *Total U.S.* are calculated by calling the conservation agency in Alaska for Alaskan crude oil production during the month, estimating crude oil production in the United States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 States.

- Line (5): *SPR Imports* are reported on Survey Form ERA-60.

- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude losses in Table 2.

- Line (14): Natural gas plant liquids (NGPL) *Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.

- Line (15): NGPL *Imports* equals the sum of the imports of natural gasoline and isopentane, unfractionated stream, and plant condensate imports in Table 2.

- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the sum of stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate in Table 2.

- Line (17) equals the sum of lines (14), (15), and (16).

- Line (18): Unfinished oils and gasoline blending components *Stock Withdrawal (+) or Addition (-)* equals stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, for unfinished oils, motor gasoline blending components, and aviation gasoline blending components.

- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.

- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.

- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).

- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.

- Line (25): *Gross Imports of Refined Products* equals imports of LPG plus imports of finished petroleum products in Table 2.

- Line (26): *Exports of Refined Products* equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports of Refined Products* equals the difference between lines (25) and (26).

- Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stocks Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

- Lines (31) through (35) equal the respective products supplied in Table 2.

- Line (36): *Other Products Supplied* equals the sum of natural gasoline and isopentane, unfractionated stream, plant condensate, aviation gasoline, naphtha < 400 Deg. F for petrochemical feedstock use, other oils > 400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, coke, asphalt, road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39), stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve*, equals ending stocks of crude oil in Table 2. SPR stocks are reported on Form EIA-813.

- Line (43): stocks of *Refined Products*, equals the sum of LPG and finished petroleum product stocks in Table 2.

Note 10: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).
- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,420; and 1982 - 1,462.
- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).
- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.
- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.
- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.
- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.
- Stock withdrawal calculations beginning in 1975, 1981, 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Prod-

ucts Supply and Disposition" table in the Summary Statistics, is now reported on a component basis (ethane, propane, normal butane, isobutane and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the Summary Statistics. This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108
- Other Petroleum Products: 1983 - 248

Note 11: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 12: Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting systems.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings throughout 1980. However, estimates of the magnitudes of differences in the major

data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. This difference increased to about 4 percent in 1979 and 5 percent in 1980. There are two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference—in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). The following table provides 1979 and 1980 data as published in the *Petroleum Statement Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied. EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years. EIA has recently published a study of the quality of these FHWA data.¹

¹Office of Energy Information Validation, Energy Information Administration, U.S. Department of Energy, *Error Profile of the Motor Fuel Taxation Data used to Establish and Monitor State Emergency Conservation Targets* (Washington, D.C.: December, 1981).

**Finished Motor Gasoline Product Supplied on Old and New Basis
(Thousand Barrels per Day)**

| | 1979 | | | | 1980 | | | |
|---------|-----------------|---------------|-----------------|-------------------|-----------------|---------------|-----------------|-------------------|
| | EIA Reported | API Recast | EIA Recast | FHWA ¹ | EIA Reported | API Recast | EIA Recast | FHWA ¹ |
| Jan | 6,830 | 7,230 | 7,084- 7,246 | 6,984 | 6,323 | 6,789 | 6,630- 6,791 | 6,672 |
| Feb | 7,254 | 7,496 | 7,389- 7,568 | 7,538 | 6,596 | 6,983 | 6,831- 7,003 | 6,830 |
| Mar | 7,229 | 7,414 | 7,301- 7,463 | 7,316 | 6,406 | 6,753 | 6,607- 6,768 | 6,713 |
| Apr | 7,055 | 7,300 | 7,187- 7,353 | 7,375 | 6,800 | 7,014 | 6,886- 7,052 | 6,981 |
| May | 7,213 | 7,429 | 7,313- 7,475 | 7,428 | 6,729 | 6,954 | 6,823- 6,984 | 7,044 |
| Jun | 7,191 | 7,483 | 7,350- 7,516 | 7,441 | 6,657 | 6,966 | 6,824- 6,991 | 7,049 |
| Jul | 6,902 | 7,241 | 7,105- 7,266 | 7,299 | 6,743 | 6,973 | 6,960 | 7,132 |
| Aug | 7,330 | 7,546 | 7,426- 7,588 | 7,619 | 6,648 | 6,841 | 6,828 | 7,090 |
| Sep | 6,881 | 7,122 | 7,016- 7,262 | 7,232 | 6,510 | 6,692 | 6,962 | 6,685 |
| Nov | 6,791 | 7,068 | 6,956- 7,122 | 7,142 | 6,234 | 6,507 | 6,516 | 6,951 |
| Dec | 6,730 | 7,106 | 6,966- 7,127 | 7,064 | 6,632 | 6,948 | 6,936 | 6,993 |
| Average | 7,034 | 7,302 | 7,183- 7,347 | 7,309 | 6,579 | 6,882 | 6,806- 6,889 | 6,925 |

¹FHWA gasoline statistics published in their 1979 Table MF-33G, 08-06-80, contain aviation gasoline as well as motor gasoline. Only motor gasoline data are included in published 1980 data. Consequently, the 1979 data shown above were reduced by subtracting aviation gasoline product supplied quantities as published by EIA in the 1979 *Petroleum Statement Annual*. The 1980 FHWA data published in their 1980 Table MF-33GA, August 1981, did not require this adjustment.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oil produced by a refinery is shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was sub-

tracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981 this adjustment was discontinued because there was not sufficient empirical evidence to support it. The following table presents distillate and residual fuel oil refinery production in 1980 as published (adjusted) and on the same basis as 1981 statistics are now being completed (unadjusted) to permit comparison between 1980 and 1981 data series. Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Adjusted and Unadjusted Refinery Production, and Unadjusted Product Supplied of Distillate and Residual Fuel Oils, by Month for 1979 and 1980 (Thousand Barrels Per Day)
1979

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,043 | 3,108 | 65 | 4,646 | 1,912 | 1,946 | 34 | 3,594 |
| Feb. | 2,888 | 2,945 | 57 | 4,869 | 1,792 | 1,822 | 30 | 3,625 |
| Mar. | 3,019 | 3,026 | 7 | 3,671 | 1,719 | 1,723 | 4 | 3,243 |
| Apr. | 2,945 | 2,978 | 32 | 3,048 | 1,639 | 1,656 | 17 | 2,524 |
| May | 3,066 | 3,093 | 27 | 3,025 | 1,586 | 1,600 | 14 | 2,517 |
| Jun. | 3,153 | 3,187 | 35 | 2,743 | 1,548 | 1,566 | 18 | 2,601 |
| Jul. | 3,305 | 3,344 | 38 | 2,601 | 1,575 | 1,594 | 20 | 2,471 |
| Aug. | 3,321 | 3,359 | 38 | 2,799 | 1,584 | 1,603 | 20 | 2,570 |
| Sep. | 3,354 | 3,306 | -48 | 2,599 | 1,627 | 1,602 | -25 | 2,584 |
| Oct. | 3,251 | 3,217 | -34 | 3,085 | 1,629 | 1,612 | -17 | 2,523 |
| Nov. | 3,239 | 3,200 | -39 | 3,208 | 1,736 | 1,716 | -20 | 2,795 |
| Dec. | 3,221 | 3,238 | 17 | 3,725 | 1,894 | 1,903 | 9 | 3,022 |
| Average | 3,152 | 3,169 | 16 | 3,327 | 1,687 | 1,695 | 8 | 2,834 |

1980

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,013 | 3,093 | 80 | 3,794 | 1,771 | 1,812 | 41 | 3,108 |
| Feb. | 2,766 | 2,888 | 122 | 3,834 | 1,773 | 1,836 | 63 | 3,168 |
| Mar. | 2,557 | 2,690 | 133 | 3,312 | 1,584 | 1,652 | 68 | 2,726 |
| Apr. | 2,460 | 2,554 | 94 | 2,729 | 1,595 | 1,643 | 48 | 2,492 |
| May | 2,474 | 2,610 | 136 | 2,538 | 1,509 | 1,579 | 70 | 2,305 |
| Jun. | 2,646 | 2,721 | 75 | 2,392 | 1,575 | 1,613 | 38 | 2,359 |
| Jul. | 2,689 | 2,783 | 94 | 2,343 | 1,480 | 1,528 | 48 | 2,339 |
| Aug. | 2,461 | 2,582 | 121 | 2,258 | 1,444 | 1,506 | 62 | 2,348 |
| Sep. | 2,686 | 2,726 | 40 | 2,627 | 1,495 | 1,516 | 21 | 2,380 |
| Oct. | 2,589 | 2,650 | 61 | 2,981 | 1,512 | 1,543 | 31 | 2,258 |
| Nov. | 2,703 | 2,823 | 120 | 3,069 | 1,579 | 1,641 | 62 | 2,513 |
| Dec. | 2,891 | 3,052 | 161 | 3,776 | 1,660 | 1,743 | 83 | 2,762 |
| Average | 2,661 | 2,764 | 103 | 2,969 | 1,580 | 1,634 | 54 | 2,562 |

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids sec-

tion, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 13: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquid (NGL) supply data, moving from a nine-product slate to a five-component slate that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analyses of the products they imported during the first six months of 1983. The percentages shown in Exhibit 1 are derived from the weighted averages of the data provided by the importers.

EXHIBIT 1. ALGORITHMS FOR ALLOCATING NGL IMPORTS

| PRODUCT SLATE | Ethane | Propane | Normal butane | Isobutane | Pentanes Plus |
|---|--------|---------|---------------|-----------|---------------|
| Natural Gasoline & Isopentane (EIA-814) | | | | | 100% |
| Plant Condensate (EIA-814) | | | | | 100% |
| Ethane (IM-145) | 100% | | | | |
| Butane (IM-145) | | | 60% | 40% | |
| Butane-Propane Mixtures (IM-145) | | 40% | 35% | 20% | 5% |
| Ethane-Propane Mixtures (IM-145) | 80% | 20% | | | |

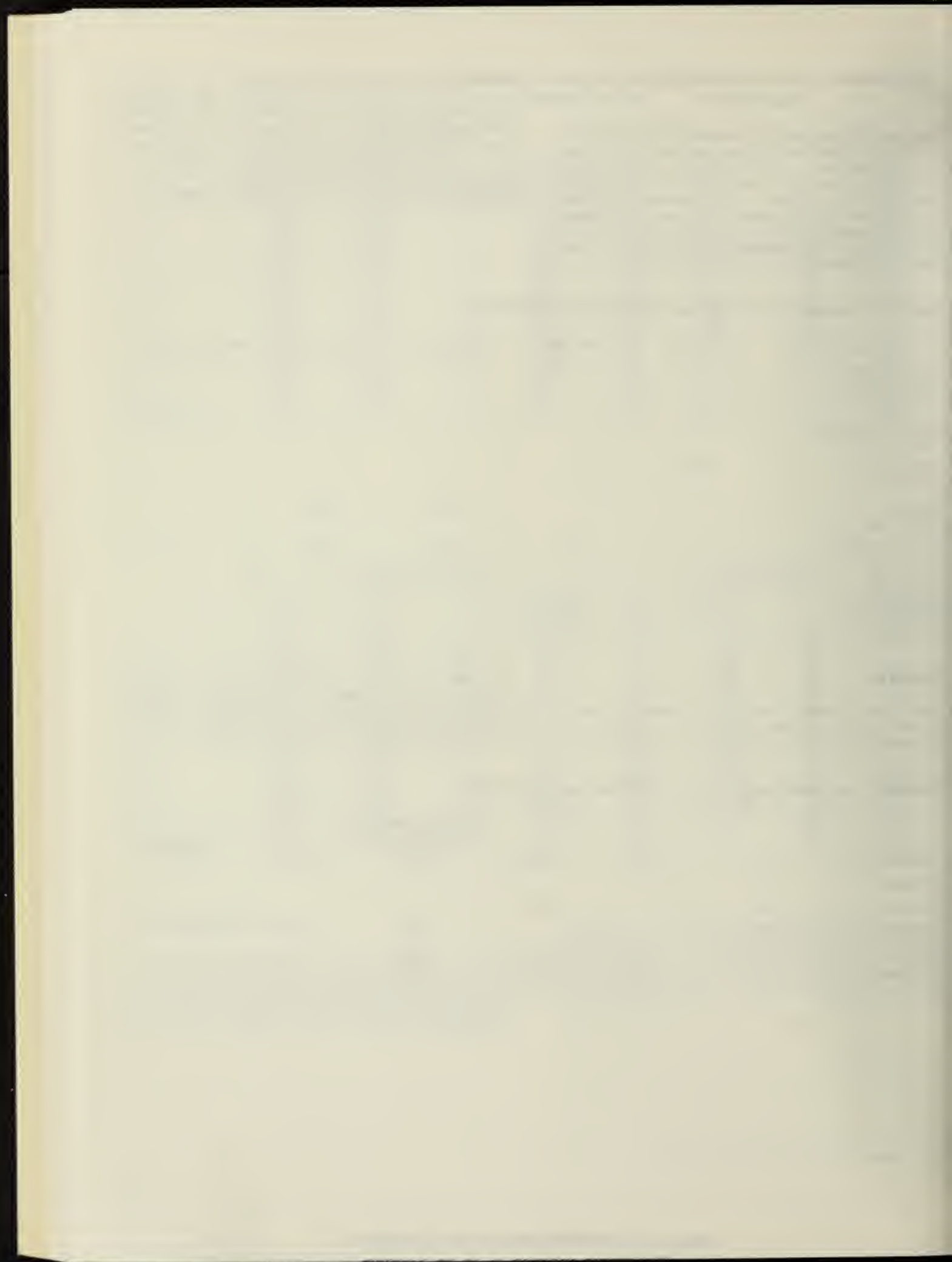
Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analyses of the products they

exported during 1983. The percentages shown in Exhibit 2 are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by PAD of exportation, due to the wide variation of components in the mixed streams.

EXHIBIT 2. ALGORITHMS FOR ALLOCATING NGL EXPORTS

| PRODUCT | P.A.D. | Ethane | Propane | EIA Component Slate Normal Butane | Isobutane | Pentanes Plus |
|---------------|----------|--------|---------|--------------------------------------|-----------|---------------|
| Ethane | All | 100% | | | | |
| Propane | All | | 100% | | | |
| Butane | All | | | 100% | | |
| Mixed Streams | I, IV, V | | 40% | 60% | | |
| | II | 30% | 25% | 15% | 15% | |
| | III | | 80% | 20% | | |



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DATA AVAILABLE ON MAGNETIC TAPES
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petroleum supply monthly



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The Energy Information Administration (EIA) has announced that petroleum supply statistics are now available on two magnetic tapes. One tape contains final 1983 petroleum supply statistics by month, taken from the *Petroleum Supply Annual*; the other contains 1984 statistics to date by month, from the *Petroleum Supply Monthly*. The first monthly tape released will be for the period January through June 1984. The monthly tape will be updated each month with the latest month's statistics. Both tapes include full documentation.

Tapes will be sold for \$140 each and should be referenced by NTIS number:

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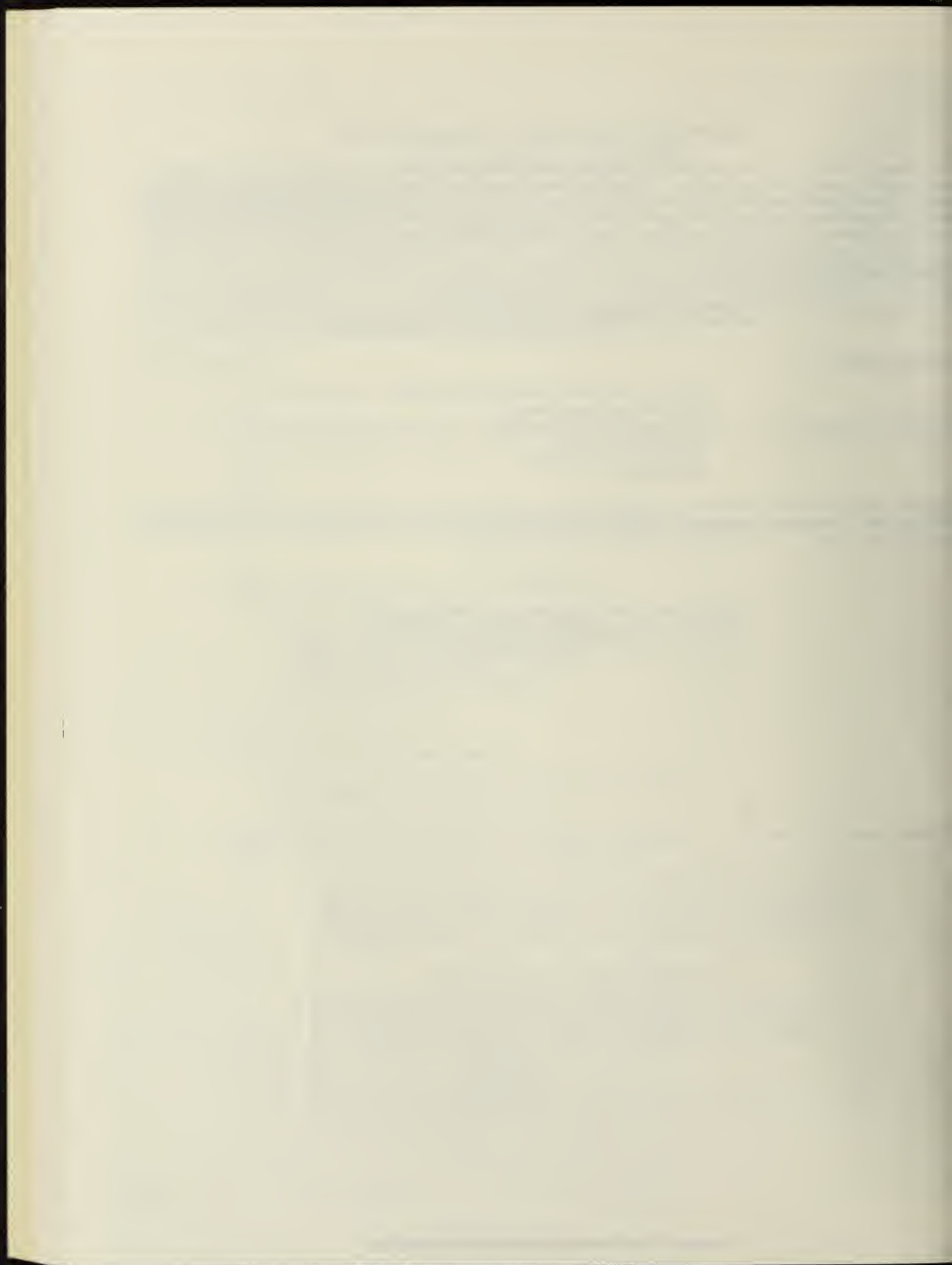
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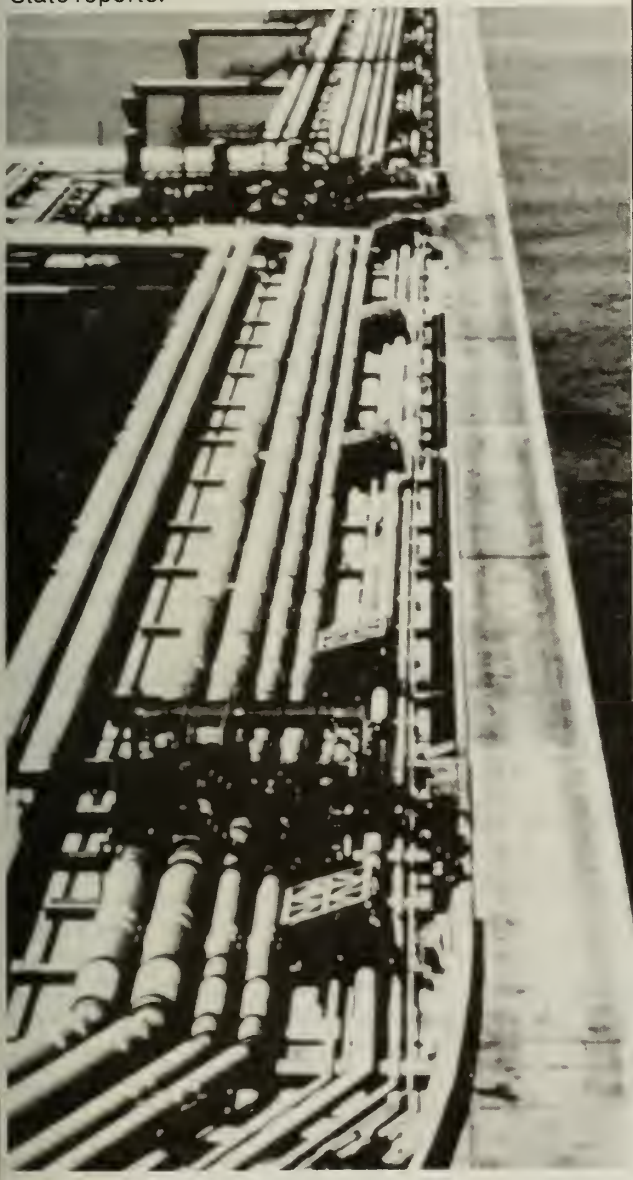
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This Month in the PSM

This issue of the *Petroleum Supply Monthly* focuses on crude oil production statistics. "Comparisons of Independent Statistics on Petroleum Supply," compares data from EIA's *Petroleum Supply Annual* with statistics from independent sources both inside and outside EIA. This article, which begins on page xiii discusses EIA data series for crude oil imports, motor gasoline supplied, and distillate and residual fuel oil supplied, as well as crude oil production. A companion article, "An Evaluation of Crude Oil Production Statistics" beginning on page xvii compares crude oil production volumes reported in EIA's petroleum supply publications with those shown in State reports.



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Articles

Feature articles on energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues of the *PSM*.

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| U.S. Petroleum Developments: 1981..... | Mar 1982 |
| Timeliness and Accuracy of Selected Monthly Petroleum Supply Data | Apr 1982 |
| Focus on Motor Gasoline Statistics | Apr 1982 |
| Focus on Crude Oil Production Data | Apr 1982 |
| Motor Gasoline Outlook: Summer 1982 | May 1982 |
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| Distillate Fuel Oil Outlook: Winter 1982-83 | Sep 1982 |
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| Futures Trading on Heating Oil Markets | Sep 1982 |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1981 Annual Report | Oct 1982 |
| Trends in Domestic Crude Oil Production and Reserves | Nov 1982 |
| Major Energy Companies' Investment and Resource Development Patterns, 1974-80 | Nov 1982 |
| U.S. Petroleum Developments: 1982 | Jan 1983 |
| Trends in Petroleum Products Consumption, 1971-1982 | Jan 1983 |
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| U.S. Petroleum Refinery Trends and Outlook | Jun 1983 |
| Mid-Year Petroleum Review | Jul 1983 |
| Timeliness and Accuracy of Selected Petroleum Supply Data Series | Aug 1983 |
| Distillate Fuel Oil Overview: Winter 1983-84 | Sep 1983 |
| Fuel Oil Trends | Sep 1983 |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves | Sep 1983 |
| LPG Market Trends | Nov 1983 |
| National Petroleum Council Revises Minimum Operating Inventory Estimates | Dec(1) 1983 |
| U.S. Petroleum Developments: 1983 | Dec(2) 1983 |
| An Overview of Petroleum Transportation | Dec(3) 1983 |
| EIA Revises Petroleum Supply Reporting System | Jan 1984 |
| Trends in Petroleum Product Consumption | Jan 1984 |
| Petroleum Consumption in the Industrial Sector | Jan 1984 |
| Motor Gasoline Outlook for Summer 1984 | Feb 1984 |
| Recent Motor Gasoline Trends | Feb 1984 |
| New Patterns Emerging in U.S. Petroleum Imports and Exports | Feb 1984 |
| Refinery Capacity Trends and Outlook | Apr 1984 |
| Mid-Year Petroleum Review | Jun 1984 |
| Timeliness and Accuracy of Selected Petroleum Supply Data Series | Jun 1984 |
| Winter 1984-1985 Distillate Fuel Oil Outlook | Jul 1984 |
| Distillate Fuel Oil Overview | Jul 1984 |
| Recent Trends in Primary Petroleum Storage Capacity | Aug 1984 |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves | Aug 1984 |



Petroleum Focus

Oil & Gas
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Psychological
Sociological
Anthropological
Linguistic
Literary
Artistic
Cultural
Religious
Philosophical



1875



Petroleum Supply Summary

| Average Volume for Period (Million Barrels Per Day) | October | | | Cumulative January Through October | | |
|---|---------|-------|-------------|---------------------------------------|------|-------------|
| | 1984 | 1983 | % Change | 1984 | 1983 | % Change |
| Products Supplied | | | | | | |
| Motor Gasoline | 6.7 | 6.6 | 1.5 | 6.7 | 6.6 | 1.4 |
| Distillate Fuel Oil | 2.6 | 2.6 | 0.4 | 2.8 | 2.6 | 8.8 |
| Residual Fuel Oil | 1.0 | 1.2 | - 18.0 | 1.4 | 1.4 | - 2.3 |
| Other Products | 5.1 | 4.5 | 12.6 | 4.8 | 4.4 | 8.7 |
| Total | 15.4 | 15.0 | 3.1 | 15.7 | 15.1 | 4.5 |
| Crude Inputs to Refineries | 12.2 | 11.8 | 3.7 | 12.1 | 11.7 | 3.5 |
| Production | | | | | | |
| Crude Oil, Natural Gas Liquids, and Other ¹ | 10.6 | 10.4 | 1.1 | 10.4 | 10.3 | 1.0 |
| Imports | | | | | | |
| Crude Oil ² | 3.6 | 3.2 | 10.8 | 3.2 | 3.1 | 4.2 |
| SPR | 0.1 | 0.2 | - 31.7 | 0.2 | 0.2 | - 23.8 |
| Products | 1.8 | 1.8 | 1.7 | 2.0 | 1.7 | 16.7 |
| Total | 5.6 | 5.3 | 6.0 | 5.4 | 5.0 | 7.1 |
| Exports | | | | | | |
| Crude Oil | 0.2 | 0.1 | 15.7 | 0.2 | 0.2 | 7.1 |
| Products | 0.5 | 0.4 | 15.1 | 0.5 | 0.6 | - 13.3 |
| Total | 0.7 | 0.6 | 15.3 | 0.7 | 0.8 | - 8.9 |
| Stock Withdrawal | | | | | | |
| Crude Oil ² | - 0.2 | - 0.1 | — | (s) | (s) | — |
| Products | - 0.5 | - 0.4 | — | - 0.1 | 0.1 | — |
| Stocks at End of Period (Million Barrels) | | | | | | |
| Crude Oil | | | | | | |
| SPR | 436 | 367 | 18.7 | | | |
| Other | 337 | 349 | - 3.4 | | | |
| Total | 773 | 716 | 7.9 | | | |
| Products | | | | | | |
| Motor Gasoline ³ | 230 | 227 | 1.3 | | | |
| Distillate Fuel Oil | 155 | 163 | - 4.6 | | | |
| Residual Fuel Oil | 50 | 51 | - 2.7 | | | |
| Other | 326 | 350 | - 7.0 | | | |
| Total | 761 | 791 | - 3.8 | | | |
| Total Crude Oil and Products | 1,534 | 1,508 | 1.7 | | | |

1 Includes alcohol and other hydrocarbon liquids.

2 Excludes Strategic Petroleum Reserve (SPR).

3 Including blending components.

(s) = Less than 0.05 million barrels per day.

NOTE: Percent changes are based on unrounded values. October 1984 data are estimates based on weekly data, except for exports, NGL production, other hydrocarbons, and alcohol which are September 1984 monthly values. Totals may not be equal to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Monthly*, September 1984.

Comparisons of Independent Statistics on Petroleum Supply

The Petroleum Supply Division of the Energy Information Administration (EIA) operates a Petroleum Supply Reporting System (PSRS) that includes weekly, monthly, and annual surveys. Statistics based on weekly data and preliminary monthly data are published in the *Petroleum Supply Monthly* (PSM). Final statistics for each year are published in the *Petroleum Supply Annual* (PSA). Comparisons between the PSM and PSA statistics, such as the comparison of data for 1981 through 1983 published in the June 1984 PSM, help EIA assess, maintain, and improve the quality of its data.

To assess the quality of EIA's petroleum supply data further, this article compares final annual statistics from the PSA, (and its predecessor, the *Petroleum Statement, Annual*) with statistics from independent data sources both inside and outside EIA. The comparisons cover statistics for 1979 through 1983. Adjustments have been made, where possible, to some of the statistics to account for differences in coverage, definitions, and units of measure (see footnotes in Tables 1-5). When the statistical series differ widely among themselves, it suggests that there are problems with one or more of the series, or that they measure different phenomena. When all of the series are in close agreement, there is no indication of inaccuracy.

From 1981 to 1983, many significant changes were made to the petroleum supply survey forms, processing procedures, and publications. A description of these changes was published in the June 1984 PSM. The comparisons presented here indicate that these changes have maintained or improved the quality of the PSA statistics.

Statistics on crude oil production are in close agreement for all 5 years. Agreement on crude oil imports is nearly as close. Agreement between the PSA motor gasoline supply statistics and comparable statistics improved dramatically in 1981, when a major change was made to the collection of motor gasoline data (See Note 12, page 90). The overall pattern is one of consistent improvement, sometimes appearing to occur in the petroleum supply series, sometimes in the others.

Crude Oil Production

Data on crude oil production developed for the PSA are based on data reported to EIA by State agencies and the U.S. Minerals Management Service. These data were compared with data developed by four other sources (Table 1).

Table 1. Comparison of Estimates for Crude Oil (Including Lease Condensate) Production

| | Reference Estimate | Comparative Estimates | | | |
|---|--|---|-----------------------------------|--------------------------------|--|
| | EIA, <i>Petroleum Supply Annual</i> ¹ | American Petroleum Institute ² | Bureau of the Census ³ | Oil & Gas Journal ⁴ | EIA Reserves and Natural Gas Division ⁵ |
| Volume (Million Barrels ⁶) | | | | | |
| 1983 | 3,171 | 3,175 | N/A | 3,161 | 3,177 |
| 1982 | 3,157 | 3,164 | N/A | 3,156 | 3,107 |
| 1981 | 3,129 | 3,140 | 3,112 | 3,135 | 3,110 |
| 1980 | 3,146 | 3,160 | 3,137 | 3,147 | 3,134 |
| 1979 | 3,121 | 3,130 | 3,047 | 3,168 | 3,102 |
| Comparative Estimate as a Percent of the Reference Estimate | | | | | |
| 1983 | — | 100.1 | N/A | 99.7 | 100.2 |
| 1982 | — | 100.2 | N/A | 100.0 | 98.4 |
| 1981 | — | 100.4 | 99.5 | 100.2 | 99.4 |
| 1980 | — | 100.4 | 99.7 | 100.0 | 99.6 |
| 1979 | — | 100.3 | 97.6 | 101.5 | 99.4 |

N/A = Not available

¹From Table 2 in EIA's *Petroleum Supply Annual*, 1981 through 1983 and Table 6 in EIA's *Petroleum Statement, Annual*, 1979 and 1980.

²From issues of the American Petroleum Institute's *Monthly Statistical Report*. Annual values were obtained by summing monthly values.

³From Table 1 of the Bureau of the Census' *Annual Survey of Oil and Gas*, 1979 through 1981. This survey was discontinued in 1982.

⁴From issues of the *Oil and Gas Journal*. This journal publishes weekly averages of crude oil production in thousand barrels per day. These averages are used to produce monthly totals as follows: First, each week's average is used as a daily production estimate for each of the days the week covers. Then, for each month, the production estimates for the days covered by the month are summed. These totals are converted from thousand to million barrels.

⁵From EIA's *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report*, 1979 through 1983. Form EIA-23 is the source for crude oil production data in these publications.

⁶Volumes are rounded to the nearest million barrels. One barrel equals 42 U.S. gallons.

Note: Geographic coverage is the 50 United States and the District of Columbia with adjacent areas of the Outer Continental Shelf.

Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340, *Petroleum Statement, Annual*, DOE/EIA-0108, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report*, DOE/EIA-0216; Bureau of the Census, *Annual Survey of Oil and Gas*; American Petroleum Institute, *Monthly Statistical Report*; *Oil and Gas Journal*.

- EIA conducts an "Annual Survey of Oil and Gas Reserves," Form EIA-23. This survey is not part of the PSRS; however, the report covers production information for crude oil and lease condensate. The data from this survey have differed by less than 1 percent from the PSRS data in 4 of the 5 years studied.
- Prior to 1982, the Industry Division of the Bureau of the Census conducted surveys that collected information on oil and gas field exploration, development, and production. The results of these surveys were published in the *Current Industrial Report, Annual Survey of Oil and Gas*. After its report on 1981 production, this survey was discontinued. In 1979 Census data differed from PSA data by 2.4 percent; the 1980 and 1981 data were within 0.5 percent.
- The American Petroleum Institute (API) *Monthly Statistical Report* is used as one of the comparative sources for crude oil (and lease condensate) production data. The API statistics compared here are based upon API monthly estimates. API data differed from PSA data by less than 0.5 percent in all 5 years studied.
- Each week statistics on a number of petroleum-related subjects, are published in the *Oil and Gas Journal*. Included is a weekly production report based on the *Journal's* estimate of crude oil and lease condensate production. From 1980 through 1983 the *Oil and Gas Journal* estimates were within 0.3 percent of the PSA data.

Crude Oil Imports

The PSRS data on imports of crude oil are collected using Form EIA-814, Monthly Imports Report. These data have remained within about 2 percent of estimates by the Bureau of the Census and the API since 1979 (Table 2).

- Data from the Census Bureau's *U.S. Imports for Consumption and General Imports* series are compiled utilizing U.S. Customs Service documents on imports into the United States and its territories. Because these data contain imports into U.S. territories and PSA statistics do not, territorial imports reported in the Census Bureau's *U.S. Imports for Consumption and General Imports* publication were extracted from the Census total. In 1983, Census data differed from PSA data by 1.3 percent.
- Estimates of crude oil imports are published by the API in its *Monthly Statistical Report*. Because the API estimates do not include imports for the Strategic Petroleum Reserve, imports for the Strategic Petroleum Reserve were added to the API estimates. There was a 1.4 percent difference between API estimates and the PSA in 1983.

Motor Gasoline Supplied

Beginning in 1981, the EIA made several changes to the motor gasoline portion of the PSRS. These changes in-

Table 2. Comparison of Estimates for Crude Oil Imports

| | Reference Estimate | Comparative Estimates | |
|---|--|---|---------------------------------------|
| | EIA, <i>Petroleum Supply Annual</i> ¹ | American Petroleum Institute ² | Census/ Customs Estimate ³ |
| Volume (Million Barrels ⁴) | | | |
| 1983 | 1,215 | 1,232 | 1,199 |
| 1982 | 1,273 | 1,275 | 1,300 |
| 1981 | 1,605 | 1,617 | 1,635 |
| 1980 | 1,926 | 1,917 | 1,942 |
| 1979 | 2,380 | 2,346 | 2,415 |
| Comparative Estimate as a Percent of the Reference Estimate | | | |
| 1983 | — | 101.4 | 98.7 |
| 1982 | — | 100.2 | 102.1 |
| 1981 | — | 100.7 | 101.9 |
| 1980 | — | 99.5 | 100.8 |
| 1979 | — | 98.6 | 101.5 |

¹From Table 1 in EIA's *Petroleum Supply Annual*, 1981 through 1983 and Table 1 in EIA's *Petroleum Statement, Annual*, 1979 and 1980. This table also includes imports for the Strategic Petroleum Reserve (SPR) which were 85.3 million in 1983, 60.2 million in 1982, 93.3 million in 1981, 16.1 million in 1980, and 24.4 million in 1979.

²Estimate equals the sum of the annual estimate of imports derived from API's *Monthly Statistical Report* (which excludes imports for SPR), and the EIA estimates for imports for the SPR which are listed in footnote 1 above. Annual values were obtained by summing monthly values.

³Data on imports to Puerto Rico and the Virgin Islands which are included in the source for these estimates have been excluded from these estimates in keeping with the geographic coverage of the table. Data are from the Bureau of the Census, Trade Information Branch, FT-246 Annual, *U.S. Imports for Consumption and General Imports: TSUSA*, and IA-245X Annual, *U.S. Imports for Consumption and General Imports: TSUSA*, 1980 through 1983. Data for 1979 are from computer printouts of the Bureau of the Census Report IM-245X dated December 19, 1980.

⁴Volumes are rounded to the nearest million barrels. One barrel equals 42 U.S. gallons.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Source: Energy Information Administration, *An Assessment of the Accuracy of Principal Data Series of the Energy Information Administration*, DOE/EIA-0292, *Petroleum Supply Annual*, DOE/EIA-0340, *Petroleum Statement, Annual*, DOE/EIA-0108; Bureau of the Census, *U.S. Imports for Consumption and General Imports: TSUSA*, FT-246, IA-245, and IM-245X; American Petroleum Institute, *Monthly Statistical Report*.

Table 3. Comparison of Estimates for Motor Gasoline Supplied for Domestic Use

| | Reference Estimate | Comparative Estimates | | |
|---|--|--|---|---|
| | EIA, <i>Petroleum Supply Annual</i> ¹ | EIA, Petroleum Marketing Division ² | American Petroleum Institute ³ | Federal Highway Administration ⁴ |
| Volume (Million Barrels ⁵) | | | | |
| 1983 | 2,417 | 2,495 | 2,420 | 2,434 |
| 1982 | 2,387 | 2,451 | 2,376 | 2,413 |
| 1981 | 2,404 | 2,431 | 2,379 | 2,446 |
| 1980 | 2,408 | 2,573 | 2,523 | 2,486 |
| 1979 | 2,568 | 2,749 | 2,579 | 2,649 |
| Comparative Estimate as a Percent of the Reference Estimate | | | | |
| 1983 | — | 103.2 | 100.1 | 100.7 |
| 1982 | — | 102.7 | 99.5 | 101.1 |
| 1981 | — | 101.1 | 99.0 | 101.7 |
| 1980 | — | 106.9 | 104.8 | 103.2 |
| 1979 | — | 107.0 | 100.4 | 103.2 |

¹Data from Table 2 in EIA's *Petroleum Supply Annual*, 1981 through 1983 and Table 2 in EIA's *Petroleum Statement, Annual*, 1979 and 1980.

²Data from the EIA-25, "Prime Suppliers Report" (computer printouts), 1979-1982. Prime supplier usually is the supplier or producer which makes the first sale of any product into the State. In 1983, the EIA-25 was incorporated into the EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

³API publishes monthly estimates in thousand barrels per month of the volume of motor gasoline delivered from primary storage. The initial published monthly estimate is derived from API sources, but in later API publications the estimates are revised using EIA data. The values shown in the table are equal to the sums of the initial published API monthly estimates of motor gasoline.

⁴Data from Federal Highway Administration, *Highway Statistics*, Tables MF-21A and MF-24.

⁵Volumes are rounded to the nearest million barrels. One barrel equals 42 U.S. gallons.

Note: Geographic coverage is the 50 United States and the District of Columbia, except where indicated.

Source: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340, *Petroleum Statement, Annual*, DOE/EIA-0108, *An Assessment of the Accuracy of Principal Data Series of the Energy Information Administration*, DOE/EIA-0292, EIA-25, "Prime Suppliers Report," EIA-782C "Monthly Report of Petroleum Products Sold into States for Consumption"; Federal Highway Administration, *Highway Statistics*; American Petroleum Institute, *Monthly Statistical Report*.

cluded expansion of the refinery survey to include non-refinery blenders and the separation of blending components from finished motor gasoline as a reporting category. Also, survey forms were modified to more accurately describe refinery operations. Beginning in 1981, comparisons with three independent statistics show significant improvement in the PSRS motor gasoline data (Table 3). Prior to 1981, differences in estimates ranged as high as 7.0 percent. In 1983, two of the three comparative estimates were within 0.7 percent.

- The EIA's Petroleum Marketing Division surveys "Petroleum Product Sales into States for Consumption," Form EIA-782C. EIA-782C statistics may differ from the PSRS supply statistics by the amount of stock changes in the local distribution systems. The two statistics closed to within 1.1 percent after the PSRS changes in 1981, but have drifted to a 3.2-percent difference in 1983. This may be due to double-counting by the EIA-782C survey or incomplete coverage by the PSRS. The PSRS data on motor gasoline are being studied to check the current coverage of blending operations.
- The API's initial monthly estimates of motor gasoline supply are based on API sources. From 1981 through 1983 API estimates were within 1.0 percent of the PSA data. API surveys a sample of companies for each product for their *Weekly Statistical Report*. These data form the basis for the monthly estimates appearing in API's *Monthly Statistical Report*.

- The Federal Highway Administration publishes statistics on motor fuel use in their annual *Highway Statistics* publication. The Federal Highway Administration's total gasoline use data (with aviation gasoline deducted) were compared with PSRS motor gasoline supplied data. As does the EIA-782C survey, the Federal Highway Administration system measures sales rather than supply. The differences between the series have diminished each year; from 1980 through 1983 the differences decreased from 3.2 percent to 0.7 percent.

Distillate and Residual Fuel Oil Supplied

In 1981, EIA improved the procedures for calculating distillate fuel oil and residual fuel oil supply statistics. Comparisons of the PSRS statistics with the EIA-782C data (Tables 4 and 5) show that significant improvements in the closeness of the statistics have occurred since 1981 for both distillate fuel oil (including kerosene) and residual fuel oil. In 1983, the difference for distillate fuel oil was 1.7 percent compared with 5.3 percent in 1979. The difference for residual fuel oil was 1.7 percent in 1983, a considerable improvement from 23.4 percent in 1979. Since the PSRS statistics have stayed relatively close to the comparable API statistics, the improvements appear mostly to reflect improvements in the EIA-782C data.

Table 4. Comparison of Estimates for Distillate Fuel Oil (Including Kerosene) Supplied for Domestic Use

| | Reference Estimate | Comparative Estimates | |
|---|--|--|---|
| | EIA, <i>Petroleum Supply Annual</i> ¹ | EIA, Petroleum Marketing Division ² | American Petroleum Institute ³ |
| Volume (Million Barrels ⁴) | | | |
| 1983 | 1,028 | 1,045 | 1,027 |
| 1982 | 1,021 | 1,054 | 1,031 |
| 1981 | 1,079 | 1,067 | 1,109 |
| 1980 | 1,107 | 1,181 | 1,141 |
| 1979 | 1,277 | 1,345 | 1,291 |
| Comparative Estimate as a Percent of the Reference Estimate | | | |
| 1983 | — | 101.7 | 99.9 |
| 1982 | — | 103.2 | 101.0 |
| 1981 | — | 98.9 | 102.8 |
| 1980 | — | 106.7 | 103.1 |
| 1979 | — | 105.3 | 101.1 |

¹Data from EIA's *Petroleum Supply Annual*, Table 2, 1981 through 1983 and *Petroleum Statement, Annual*, Table 2, 1979 and 1980.

²Data from the EIA-25, "Prime Suppliers Report" (computer printouts), 1979-1982. Prime supplier usually is the supplier or producer which makes the first sale of any product into the State. In 1983, the EIA-25 was incorporated into the EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

³API publishes monthly estimates in thousand barrels per month of the volume of distillate and kerosene delivered from primary storage. The initial published monthly estimate is derived from API sources, but in later API publications the estimates are revised using EIA data. The values shown in the table are equal to the sums of the initial published API monthly estimates of distillate and kerosene. In 1982, API discontinued publishing kerosene as a separate category, PSA data for kerosene supplied have been added to API distillate totals (47 million barrels in 1982 and 46 million barrels in 1983).

⁴Volumes are rounded to the nearest million barrels. One barrel equals 42 U.S. gallons.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Sources: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340, *Petroleum Statement, Annual*, DOE/EIA-0108, *An Assessment of the Accuracy of Principal Data Series of the Energy Information Administration*, DOE/EIA-0292, EIA-25, "Prime Suppliers Report," EIA-782C "Monthly Report of Petroleum Products Sold into States for Consumption"; American Petroleum Institute, *Monthly Statistical Report*.

Table 5. Comparison of Estimates for Residual Fuel Oil Supplied for Domestic Use

| | Reference Estimate | Comparative Estimates | |
|---|--|--|---|
| | EIA, <i>Petroleum Supply Annual</i> ¹ | EIA, Petroleum Marketing Division ² | American Petroleum Institute ³ |
| Volume (Million Barrels ⁴) | | | |
| 1983 | 519 | 510 | 525 |
| 1982 | 627 | 584 | 622 |
| 1981 | 762 | 723 | 780 |
| 1980 | 918 | 815 | 937 |
| 1979 | 1,032 | 791 | 1,044 |
| Comparative Estimate as a Percent of the Reference Estimate | | | |
| 1983 | — | 98.3 | 101.2 |
| 1982 | — | 93.1 | 99.2 |
| 1981 | — | 94.9 | 102.4 |
| 1980 | — | 88.8 | 102.1 |
| 1979 | — | 76.6 | 101.2 |

¹Data from Table 2 in EIA's *Petroleum Supply Annual*, 1981 through 1983 and Table 2 in EIA's *Petroleum Statement, Annual*, 1979 and 1980.

²Data from the EIA-25, "Prime Suppliers Report" (computer printouts), 1979-1982. Prime supplier usually is the supplier or producer which makes the first sale of any product into the State. In 1983, the EIA-25 was incorporated into the EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

³API publishes monthly estimates in thousand barrels per month of the volume of residual oil delivered from primary storage. The initial published monthly estimate is derived from API sources, but in later API publications the estimates are revised using EIA data. The values shown in the table are equal to the sums of the initial published API monthly estimates of residual oil.

⁴Volumes are rounded to the nearest million barrels. One barrel equals 42 U.S. gallons.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Sources: Energy Information Administration, *Petroleum Supply Annual*, DOE/EIA-0340, *Petroleum Statement, Annual*, DOE/EIA-0108, EIA-25, "Prime Suppliers Report," EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption"; American Petroleum Institute, *Monthly Statistical Report*.

An Evaluation of Crude Oil Production Statistics

The Energy Information Administration (EIA) publishes domestic crude oil production data in the *Petroleum Supply Monthly (PSM)* and the *Petroleum Supply Annual (PSA)*, based on data compiled by State agencies and the U.S. Minerals Management Service¹ rather than on EIA survey data.² Although EIA surveys crude oil production annually to balance the accounting of petroleum reserves, this does not meet the need to track trends in petroleum supply.³ The accuracy of EIA's monthly reported crude oil production depends, therefore, upon the accuracy of State and Federal crude oil reporting systems. EIA recently reviewed the rules and processes governing compilation of crude oil and lease condensate production information by 11 States that account for more than 90 percent of domestic crude oil production.⁴ EIA also compared production volumes reported in EIA publications with those shown in the States' production reports to assess the accuracy of information flow between State regulatory agencies and EIA. This article presents the findings of that assessment.

State Reporting Systems

Systematic differences in definitions, rules, and regulations of the different regulatory agencies were found to have little impact on the reported data for most States.

For example, some regulatory bodies require that crude oil and lease condensate be reported separately, while others require them reported combined. EIA deals with these forms of categorization by aggregating crude oil and lease condensate in the *PSM* and the *PSA*.

A second systematic difference occurs because some States require that respondents report the volumes of liquids extracted from the producing formation, while other States have respondents report only the net volume sold and removed from the lease. The volume of petroleum liquids used on the lease for fuel or other purposes or lost through spillage usually does not exceed 1 percent of extracted production, with the exception of California.

In California a thermal enhanced oil recovery technique maximizes the total oil recovered but creates a reporting dissimilarity with other States. This technique for the production of heavy oil uses a substantial portion of the extracted oil produced as fuel to generate steam for the recovery process. While exact data on oil volumes used as fuel in the field are extremely difficult to obtain, available evidence suggests that the amount may be as much as 12 percent of extracted production in California. California producers report production as the volume extracted; therefore, it is important to remember that up to 12 percent of the production reported and published is crude oil that never leaves the lease and is unavailable for processing at refineries. During the next decade, as new petroleum recovery techniques spread, there may be an increasing gap between petroleum reported produced and petroleum available for refining.

Evaluating the State-to-EIA Information Flow

The quality of EIA's published crude oil and lease condensate production data depends on the timeliness of State reporting and on how EIA utilizes the information. Table 1 presents 1980 through 1983 annual comparisons of preliminary production data supplied by 11 States and published in the *PSM*, revised data published in the *PSA*, and final data published in each State's annual report. The table shows that about half of the major revisions to State data were incorporated in EIA's published annual figures.

The variation between the sum of final data published by EIA and the sum of final data published by the 11 States for 1980 was less than 0.1 percent. Only Kansas had a final EIA-State difference greater than 1 percent for 1980. At that time, States were queried during the summer following the report year allowing them and the U.S. Minerals Management Service time to compile the final crude oil figures used by EIA. Thus, EIA was able to publish State revisions as they became available with an accuracy of within 0.1 percent of the final State data sum. Beginning with the 1981 *PSA*, the publication deadline for annual data was advanced several months. States are now queried during the spring.

The 1981 schedule change for publication of the *PSA* makes the comparison of *PSA* data with final State data particularly important. While not all revisions were received and processed prior to publishing the *PSA*'s for 1981, 1982, and 1983, EIA's comparison suggests that even if no revisions were received and processed, the crude oil production estimates published in the *PSA* are likely to differ from final State data by no more than 2 to 3 percent for a few States. The actual differences between the *PSA* and the final State figures are likely to be less than 1 percent for most States, and differences in total U.S. production should be 0.4 percent or less.

Preliminary and final EIA data for aggregated U.S. production show slightly greater divergence from final State-published data from 1981 through 1983 than they

¹The U.S. Minerals Management Service, formerly the U.S. Geological Survey, is the source of Federal offshore production information for Texas, Louisiana, and California. Federal offshore production is included in the production of the adjacent State.

²The *PSM* publishes a preliminary national estimate of crude oil production prepared by the Dallas Field Office. This article focuses on the individual State figures.

³EIA's Reserves and Natural Gas Division surveys natural gas and crude oil well operators and publishes annual reserve and production figures in the *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves Annual Report*, DOE/EIA-0216. These crude oil production figures are used to maintain a balance in reserve accounting. These figures differ from those shown for production in the *PSA* and other EIA publications.

⁴The States covered in this study are: Alaska, California, Colorado, Kansas, Louisiana, Michigan, Mississippi, New Mexico, Oklahoma, Texas, and Wyoming.

Table 1. Reported Annual Crude Oil Production (Including Lease Condensate) for Selected States (Thousand Barrels, except where noted)

| State | Initial EIA | Final EIA | Final State | EIA Adjustments | | Difference | | Difference | |
|--------------|---------------------|---------------------|--------------------------------|-----------------|---------|------------|---------|------------|---------|
| | Production (PSM) | Production (PSA) | Annual Report Production | Volume | Percent | Volume | Percent | Volume | Percent |
| 1980 | | | | | | | | | |
| Alaska | 591,684 | 591,646 | 591,641 | 38 | 0.0 | 5 | 0.0 | 43 | 0.0 |
| California | 356,644 | 356,923 | 357,109 | - 279 | - 0.1 | - 186 | - 0.1 | - 465 | - 0.1 |
| Colorado | 29,565 | 29,802 | 29,802 | - 237 | - 0.8 | 0 | 0.0 | - 237 | - 0.8 |
| Kansas | 60,152 | 60,151 | 58,541 | 1 | 0.0 | 1,610 | 2.8 | 1,611 | 2.8 |
| Louisiana | 466,964 | 469,141 | 469,141 | - 2,177 | - 0.5 | 0 | 0.0 | - 2,177 | - 0.5 |
| Michigan | 32,753 | 33,808 | 33,808 | - 1,055 | - 3.1 | 0 | 0.0 | - 1,055 | - 3.1 |
| Mississippi | 36,533 | 35,945 | 35,945 | 588 | 1.6 | 0 | 0.0 | 588 | 1.6 |
| New Mexico | 75,456 | 75,324 | 75,324 | 132 | 0.2 | 0 | 0.0 | 132 | 0.2 |
| Oklahoma | 151,960 | 150,140 | 150,140 | 1,820 | 1.2 | 0 | 0.0 | 1,820 | 1.2 |
| Texas | 975,239 | 977,436 | 977,436 | - 2,197 | - 0.2 | 0 | 0.0 | - 2,197 | - 0.2 |
| Wyoming | 129,309 | 126,362 | 126,362 | 2,947 | 2.3 | 0 | 0.0 | 2,947 | 2.3 |
| 11-State Sum | 2,906,259 | 2,906,678 | 2,905,249 | - 419 | - 0.0 | 1,429 | 0.0 | 1,010 | 0.0 |
| U.S. Total | 3,146,519 | 3,146,365 | 3,145,330 | 154 | 0.0 | 1,035 | 0.0 | 1,189 | 0.0 |
| 1981 | | | | | | | | | |
| Alaska | 587,337 | 587,337 | 587,339 | 0 | 0.0 | - 2 | - 0.0 | - 2 | - 0.0 |
| California | 384,958 | 384,958 | 384,992 | 0 | 0.0 | - 34 | - 0.0 | - 34 | - 0.0 |
| Colorado | 30,151 | 30,303 | 30,409 | - 152 | - 0.5 | - 106 | - 0.3 | - 258 | - 0.9 |
| Kansas | 65,810 | 65,810 | 65,810 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Louisiana | 447,156 | 449,315 | 451,216 | - 2,159 | - 0.5 | - 1,901 | - 0.4 | - 4,060 | - 0.9 |
| Michigan | 32,665 | 32,665 | 32,665 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Mississippi | 34,637 | 34,204 | 34,381 | 433 | 1.3 | - 177 | - 0.5 | 256 | 0.7 |
| New Mexico | 71,568 | 71,568 | 72,155 | 0 | 0.0 | - 587 | - 0.8 | - 587 | - 0.8 |
| Oklahoma | 153,287 | 154,056 | 154,057 | - 769 | - 0.5 | - 1 | - 0.0 | - 770 | - 0.5 |
| Texas | 945,132 | 945,132 | 944,684 | 0 | 0.0 | 448 | 0.0 | 448 | 0.0 |
| Wyoming | 130,563 | 130,563 | 122,174 | 0 | 0.0 | 8,389 | 6.9 | 8,389 | 6.9 |
| 11-State Sum | 2,883,264 | 2,885,911 | 2,879,882 | - 2,647 | - 0.1 | 6,029 | 0.2 | 3,382 | 0.1 |
| U.S. Total | 3,122,410 | 3,128,624 | 3,123,229 | - 6,214 | - 0.2 | 5,395 | 0.2 | - 819 | - 0.0 |
| 1982 | | | | | | | | | |
| Alaska | 618,742 | 618,910 | 618,914 | - 168 | - 0.0 | - 4 | - 0.0 | - 172 | - 0.0 |
| California | 401,572 | 401,572 | 401,387 | 0 | 0.0 | 185 | 0.0 | 185 | 0.0 |
| Colorado | 30,582 | 30,545 | 30,788 | 37 | 0.1 | - 243 | - 0.8 | - 206 | - 0.7 |
| Kansas | 70,525 | 70,525 | 70,525 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Louisiana | 457,913 | 458,395 | 458,396 | - 482 | - 0.1 | - 1 | - 0.0 | - 483 | - 0.1 |
| Michigan | 31,177 | 31,462 | 31,462 | - 285 | - 0.9 | 0 | 0.0 | - 285 | - 0.9 |
| Mississippi | 34,080 | 33,047 | 33,047 | 1,033 | 3.1 | 0 | 0.0 | 1,033 | 3.1 |
| New Mexico | 70,833 | 71,024 | 71,024 | - 191 | - 0.3 | 0 | 0.0 | - 191 | - 0.3 |
| Oklahoma | 158,621 | 158,621 | 158,621 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| Texas | 923,868 | 925,296 | 918,987 | - 1,428 | - 0.2 | 6,309 | 0.7 | 4,881 | 0.5 |
| Wyoming | 124,371 | 118,300 | 118,716 | 6,071 | 5.1 | - 416 | - 0.4 | 5,655 | 4.8 |
| 11-State Sum | 2,922,284 | 2,917,697 | 2,911,867 | 4,587 | 0.2 | 5,830 | 0.2 | 10,417 | 0.4 |
| U.S. Total | 3,161,022 | 3,156,715 | 3,151,203 | 4,307 | 0.1 | 5,512 | 0.2 | 9,819 | 0.3 |
| 1983 | | | | | | | | | |
| Alaska | 625,811 | 625,527 | 625,527 | 284 | 0.0 | 0 | 0.0 | 284 | 0.0 |
| California | 404,688 | 404,688 | 405,317 | 0 | 0.0 | - 629 | - 0.2 | - 629 | - 0.2 |
| Colorado | 29,004 | 29,050 | 29,026 | - 46 | - 0.2 | 24 | 0.1 | - 22 | - 0.1 |
| Kansas | 71,595 | 71,594 | 71,594 | 1 | 0.0 | 0 | 0.0 | 1 | 0.0 |
| Louisiana | 477,853 | 479,569 | 480,977 | - 1,716 | - 0.4 | - 1,408 | - 0.3 | - 3,124 | - 0.7 |
| Michigan | 31,386 | 31,736 | 32,205 | - 350 | - 1.1 | - 469 | - 1.5 | - 819 | - 2.5 |
| Mississippi | 31,243 | 31,455 | 31,451 | - 212 | - 0.7 | 4 | 0.0 | - 208 | - 0.7 |
| New Mexico | 74,729 | 75,169 | 75,169 | - 440 | - 0.6 | 0 | 0.0 | - 440 | - 0.6 |
| Oklahoma | 158,972 | 158,604 | 158,665 | 368 | 0.2 | - 61 | - 0.0 | 307 | 0.2 |
| Texas | 900,737 | 902,676 | 904,221 | - 1,939 | - 0.2 | - 1,545 | - 0.2 | - 3,484 | - 0.4 |
| Wyoming | 114,067 | 118,303 | 121,303 | - 4,236 | - 3.6 | - 3,000 | - 2.5 | - 7,236 | - 6.0 |
| 11-State Sum | 2,920,085 | 2,928,371 | 2,935,455 | - 8,286 | - 0.3 | - 7,084 | - 0.2 | - 15,370 | - 0.5 |
| U.S. Total | 3,159,375 | 3,170,999 | 3,181,930 | - 11,624 | - 0.4 | - 10,931 | - 0.3 | - 22,555 | - 0.7 |

¹The cumulative monthly State production from the *Petroleum Supply Monthly*, Table 11, or the *Monthly Petroleum Statement*, Table 17, minus the volume reported in the *Petroleum Supply Annual*, Table 9.

²The *Petroleum Supply Annual* final production volume minus the production published in State annual reports. Percent difference is calculated by dividing the volumetric difference by the final State production.

³The cumulative monthly State production published in the *Petroleum Supply Monthly*, Table 11, or the *Monthly Petroleum Statement*, Table 17, minus the production published in State annual reports. Percent difference is calculated by dividing the volumetric difference by the final State production.

Sources: Energy Information Administration, *Petroleum Supply Monthly*, DOE/EIA-0109, *Petroleum Supply Annual*, DOE/EIA-0340, and predecessor reports, and *Evaluation of the Energy Information Administration Crude Oil and Natural Gas Production Reporting Systems*, Service Report, (Washington D.C., December 1982). Published data for individual States reported by State regulatory agencies. Federal offshore crude oil and lease condensate production reported in *Outer Continental Shelf Statistics*, U.S. Department of Interior, Geological Survey, Conservation Division, June 1981, and *Calendar Year Report*, U.S. Department of Interior, Minerals Management Service Office of Offshore Minerals Management.

mate and the final State crude oil production figure. Wyoming accounted for the 0.2-percent difference between the final EIA sum of production and the final State sum in 1981.

In summary, EIA's review indicates that its present preliminary production data from State agencies and the U.S. Minerals Management Service, as published, closely approximate final data published by those agencies and can provide a reliable timely estimate of crude oil production at the State level.

1. The first part of the document discusses the importance of maintaining accurate records.

2. It also covers the various methods used to collect and analyze data.

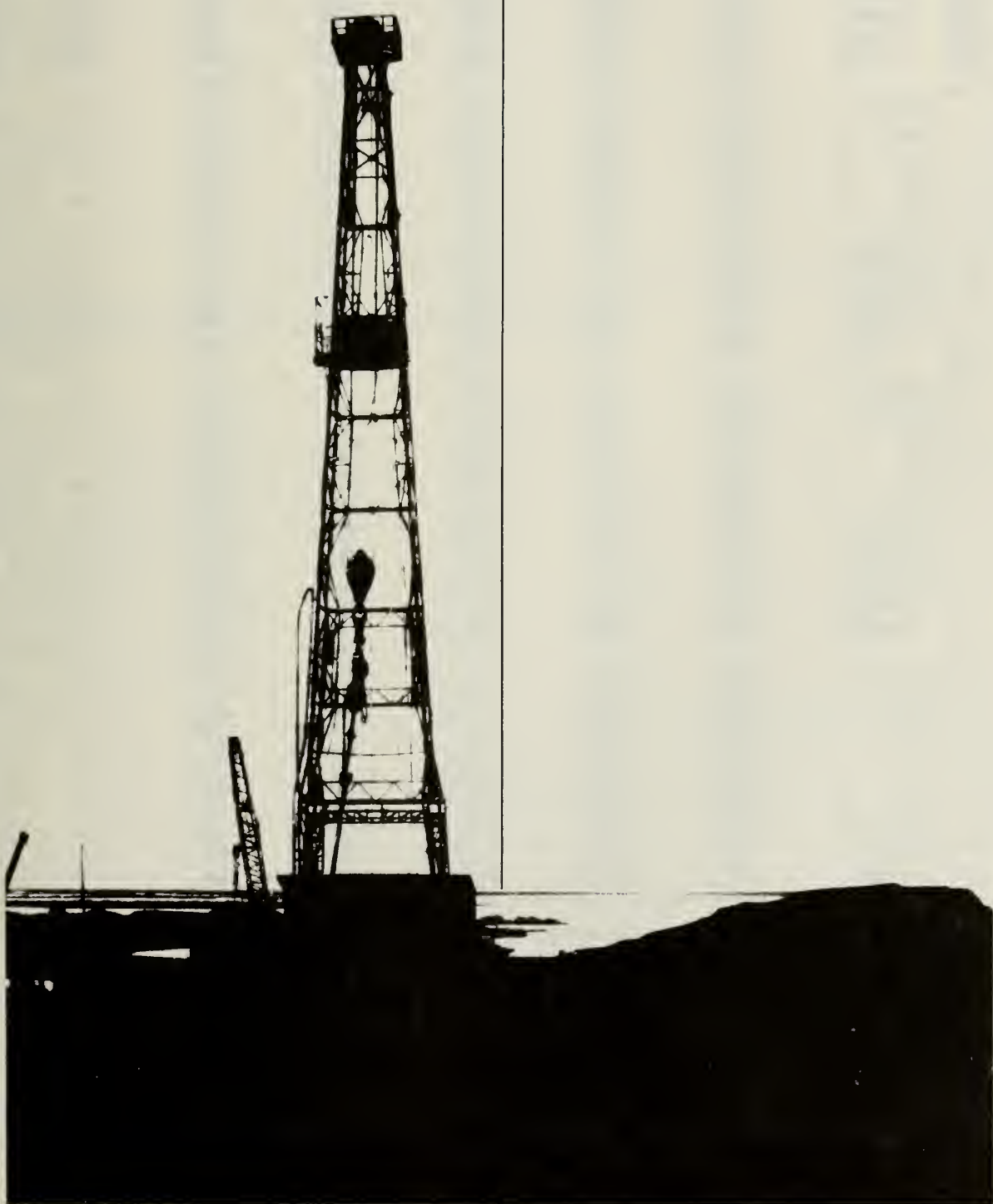
3. The second section focuses on the challenges faced by researchers in this field.

4. This includes issues related to sample size, bias, and confounding factors.

5. The third part explores the ethical considerations surrounding research involving human subjects.

6. Finally, the document concludes with recommendations for future studies and improvements in methodology.

Summary Statistics

[illegible]

Crude Oil¹ and Petroleum Products Overview

| | | Field Production | | | Stock Withdrawal ² | | | Ending Stocks ³ |
|------|------------|-----------------------------|-----------|------------------------------|-------------------------------|--------------------|-----------------------------|---|
| | | Total Domestic ⁴ | Crude Oil | Natural Gas Plant Production | Crude Oil ⁵ | Petroleum Products | Petroleum Products Supplied | Crude Oil ⁵ and Petroleum Products |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 10,975 | 9,208 | 1,738 | 11 | -146 | 17,308 | 1,008 |
| 1974 | Average | 10,498 | 8,774 | 1,688 | -62 | -117 | 16,653 | ⁸ 1,074 |
| 1975 | Average | 10,045 | 8,375 | 1,633 | ⁸ -17 | ⁸ -145 | 16,322 | 1,133 |
| 1976 | Average | 9,774 | 8,132 | 1,603 | -39 | 96 | 17,461 | 1,112 |
| 1977 | Average | 9,913 | 8,245 | 1,618 | -170 | -378 | 18,431 | 1,312 |
| 1978 | Average | 10,328 | 8,707 | 1,567 | -78 | 172 | 18,847 | 1,278 |
| 1979 | Average | 10,179 | 8,552 | 1,584 | -148 | -25 | 18,513 | 1,341 |
| 1980 | Average | 10,214 | 8,597 | 1,573 | -98 | -42 | 17,056 | ⁸ 1,392 |
| 1981 | Average | 10,230 | 8,572 | 1,609 | ⁸ -290 | ⁸ 130 | 16,058 | 1,484 |
| 1982 | | | | | | | | |
| | January | 10,128 | 8,509 | 1,578 | -401 | 1,298 | 16,124 | 1,456 |
| | February | 10,312 | 8,702 | 1,563 | -242 | 1,230 | 16,001 | 1,428 |
| | March | 10,284 | 8,667 | 1,572 | 121 | 1,047 | 15,560 | 1,392 |
| | April | 10,188 | 8,591 | 1,542 | -37 | 1,583 | 16,046 | 1,346 |
| | May | 10,244 | 8,683 | 1,518 | 29 | -66 | 14,847 | 1,347 |
| | June | 10,212 | 8,646 | 1,511 | 40 | -489 | 14,998 | 1,360 |
| | July | 10,229 | 8,658 | 1,513 | -147 | -926 | 14,821 | 1,393 |
| | August | 10,215 | 8,634 | 1,524 | -440 | -44 | 14,839 | 1,408 |
| | September | 10,279 | 8,701 | 1,518 | 263 | -447 | 15,022 | 1,414 |
| | October | 10,299 | 8,701 | 1,530 | -548 | -47 | 14,859 | 1,432 |
| | November | 10,359 | 8,697 | 1,609 | -398 | -361 | 15,009 | 1,455 |
| | December | 10,276 | 8,598 | 1,628 | 128 | 688 | 15,487 | ⁸ 1,430 |
| | Average | 10,252 | 8,649 | 1,550 | -136 | 283 | 15,296 | |
| 1983 | | | | | | | | |
| | January | 10,331 | 8,697 | 1,580 | ⁸ -499 | ⁸ 772 | 14,722 | 1,452 |
| | February | 10,388 | 8,758 | 1,575 | -320 | 1,113 | 14,792 | 1,430 |
| | March | 10,279 | 8,700 | 1,541 | 83 | 1,810 | 15,541 | 1,372 |
| | April | 10,322 | 8,776 | 1,506 | -402 | 308 | 14,692 | 1,374 |
| | May | 10,190 | 8,631 | 1,493 | -15 | -602 | 14,505 | 1,394 |
| | June | 10,261 | 8,667 | 1,523 | -122 | -276 | 15,289 | 1,405 |
| | July | 10,228 | 8,636 | 1,539 | 233 | -909 | 15,019 | 1,426 |
| | August | 10,284 | 8,679 | 1,562 | -796 | -271 | 15,480 | 1,460 |
| | September | 10,447 | 8,784 | 1,602 | -239 | -621 | 15,506 | 1,485 |
| | October | 10,434 | 8,771 | 1,604 | -274 | -442 | 14,962 | 1,508 |
| | November | 10,461 | 8,770 | 1,641 | 114 | -182 | 15,500 | 1,510 |
| | December | 9,983 | 8,397 | 1,544 | -329 | 2,133 | 16,726 | 1,454 |
| | Average | 10,299 | 8,688 | 1,559 | -214 | 234 | 15,231 | |
| 1984 | | | | | | | | |
| | January | 10,282 | 8,659 | 1,585 | -342 | 1,085 | 16,726 | 1,430 |
| | February | 10,410 | 8,726 | 1,629 | 186 | -1,353 | 15,389 | 1,464 |
| | March | 10,354 | 8,718 | 1,588 | -2 | 643 | 16,017 | 1,444 |
| | April | 10,347 | 8,688 | 1,616 | -565 | -128 | 15,484 | 1,465 |
| | May | 10,415 | 8,752 | 1,610 | -616 | -422 | 15,566 | 1,497 |
| | June | 10,398 | 8,743 | 1,612 | -95 | -77 | 15,687 | 1,502 |
| | July | 10,487 | 8,769 | 1,649 | -184 | -184 | 15,547 | 1,514 |
| | August | 10,476 | 8,781 | 1,663 | 250 | 185 | 16,130 | 1,500 |
| | September* | 10,464 | 8,759 | 1,666 | R 266 | R -736 | R 15,315 | R 1,514 |
| | October** | NA | 8,847 | NA | -342 | -485 | 15,419 | 1,534 |
| | Average | NA | 8,744 | NA | -147 | -138 | 15,732 | |

¹ Includes lease condensate.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Stocks are totals as of end of period.

⁴ Includes crude oil, natural gas plant production, other hydrocarbons, and alcohol.

⁵ Includes stocks located in the Strategic Petroleum Reserve.

⁶ Includes crude oil for storage in the Strategic Petroleum Reserve.

⁷ Net Imports equal Imports minus Exports.

⁸ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

Footnotes continued on following page.

Crude Oil¹ and Petroleum Products Overview (continued)

| | | Imports | | | Exports | | | |
|--------------------------|------------|---------|------------------------|--------------------|---------|-----------|--------------------|--------------------------|
| | | Total | Crude Oil ⁶ | Petroleum Products | Total | Crude Oil | Petroleum Products | Net ⁷ Imports |
| Thousand Barrels per Day | | | | | | | | |
| 1973 | Average | 6,256 | 3,244 | 3,012 | 231 | 2 | 229 | 6,025 |
| 1974 | Average | 6,112 | 3,477 | 2,635 | 221 | 3 | 218 | 5,892 |
| 1975 | Average | 6,056 | 4,105 | 1,951 | 209 | 6 | 204 | 5,846 |
| 1976 | Average | 7,313 | 5,287 | 2,026 | 223 | 8 | 215 | 7,090 |
| 1977 | Average | 8,807 | 6,615 | 2,193 | 243 | 50 | 193 | 8,565 |
| 1978 | Average | 8,363 | 6,356 | 2,008 | 362 | 158 | 204 | 8,002 |
| 1979 | Average | 8,456 | 6,519 | 1,937 | 472 | 235 | 237 | 7,984 |
| 1980 | Average | 6,909 | 5,263 | 1,646 | 544 | 287 | 258 | 6,365 |
| 1981 | Average | 5,996 | 4,396 | 1,599 | 595 | 228 | 367 | 5,401 |
| 1982 | January | 5,332 | 3,693 | 1,639 | 829 | 238 | 591 | 4,503 |
| | February | 4,807 | 2,990 | 1,817 | 804 | 304 | 499 | 4,003 |
| | March | 4,484 | 2,874 | 1,610 | 882 | 321 | 561 | 3,602 |
| | April | 4,378 | 2,849 | 1,529 | 786 | 174 | 611 | 3,593 |
| | May | 4,811 | 3,309 | 1,503 | 803 | 262 | 542 | 4,008 |
| | June | 5,327 | 3,836 | 1,491 | 703 | 94 | 609 | 4,624 |
| | July | 5,890 | 4,248 | 1,642 | 741 | 229 | 512 | 5,149 |
| | August | 5,244 | 3,851 | 1,392 | 858 | 304 | 554 | 4,386 |
| | September | 5,414 | 3,636 | 1,778 | 791 | 184 | 606 | 4,624 |
| | October | 5,306 | 3,670 | 1,636 | 932 | 270 | 662 | 4,374 |
| | November | 5,744 | 3,862 | 1,882 | 786 | 262 | 524 | 4,958 |
| | December | 4,606 | 3,000 | 1,605 | 860 | 193 | 667 | 3,746 |
| | Average | 5,113 | 3,488 | 1,625 | 815 | 236 | 579 | 4,298 |
| 1983 | January | 4,438 | 2,964 | 1,474 | 973 | 117 | 856 | 3,464 |
| | February | 3,726 | 2,267 | 1,459 | 865 | 262 | 603 | 2,861 |
| | March | 3,690 | 2,290 | 1,400 | 801 | 174 | 627 | 2,889 |
| | April | 4,727 | 3,118 | 1,609 | 809 | 88 | 721 | 3,918 |
| | May | 5,089 | 3,360 | 1,729 | 848 | 280 | 568 | 4,241 |
| | June | 5,326 | 3,577 | 1,749 | 774 | 144 | 630 | 4,552 |
| | July | 5,741 | 3,871 | 1,870 | 571 | 145 | 426 | 5,170 |
| | August | 6,159 | 4,227 | 1,933 | 663 | 172 | 491 | 5,496 |
| | September | 6,129 | 4,210 | 1,919 | 684 | 177 | 507 | 5,445 |
| | October | 5,258 | 3,446 | 1,812 | 576 | 140 | 436 | 4,682 |
| | November | 5,210 | 3,337 | 1,873 | 679 | 186 | 494 | 4,531 |
| | December | 5,033 | 3,213 | 1,820 | 639 | 95 | 544 | 4,394 |
| | Average | 5,051 | 3,329 | 1,722 | 739 | 164 | 575 | 4,312 |
| 1984 | January | 5,347 | 3,029 | 2,318 | 575 | 153 | 422 | 4,772 |
| | February | 5,643 | 2,952 | 2,691 | 582 | 185 | 397 | 5,061 |
| | March | 5,253 | 3,455 | 1,798 | 840 | 236 | 605 | 4,413 |
| | April | 5,319 | 3,417 | 1,902 | 655 | 172 | 483 | 4,664 |
| | May | 5,916 | 3,927 | 1,989 | 766 | 219 | 548 | 5,150 |
| | June | 5,304 | 3,410 | 1,893 | 864 | 222 | 642 | 4,440 |
| | July | 5,387 | 3,646 | 1,741 | 536 | 108 | 429 | 4,851 |
| | August | 5,036 | 3,244 | 1,793 | 732 | 190 | 542 | 4,305 |
| | September* | R 5,173 | R 3,294 | R 1,880 | 664 | 162 | 502 | 4,510 |
| | October** | 5,572 | 3,731 | 1,842 | NA | NA | NA | NA |
| | Average | 5,395 | 3,414 | 1,981 | NA | NA | NA | NA |

Footnotes continued.

* See Explanatory Note 9.1.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available.

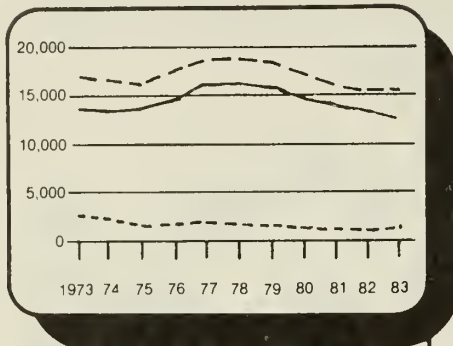
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

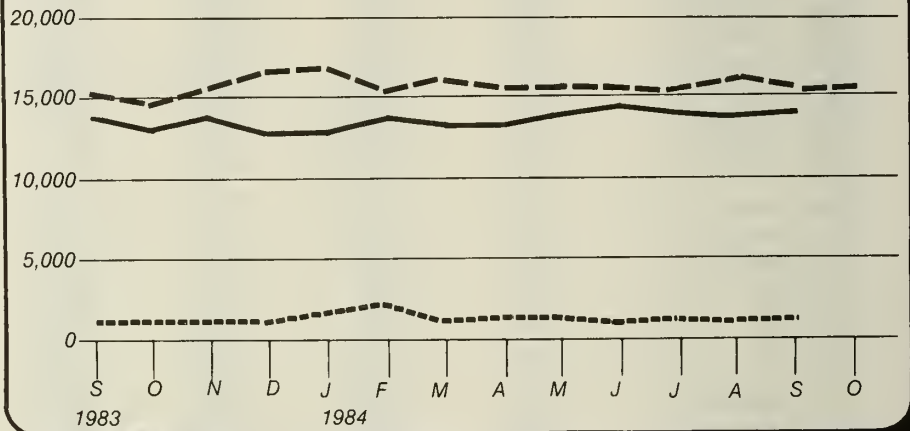
Petroleum Overview

(Thousand Barrels Per Day)



Annual

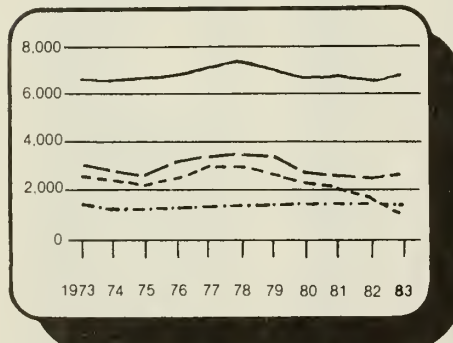
Legend
 - - - Petroleum Product Supplied
 — Refinery Production
 . . . Net Petroleum Product Imports



Monthly

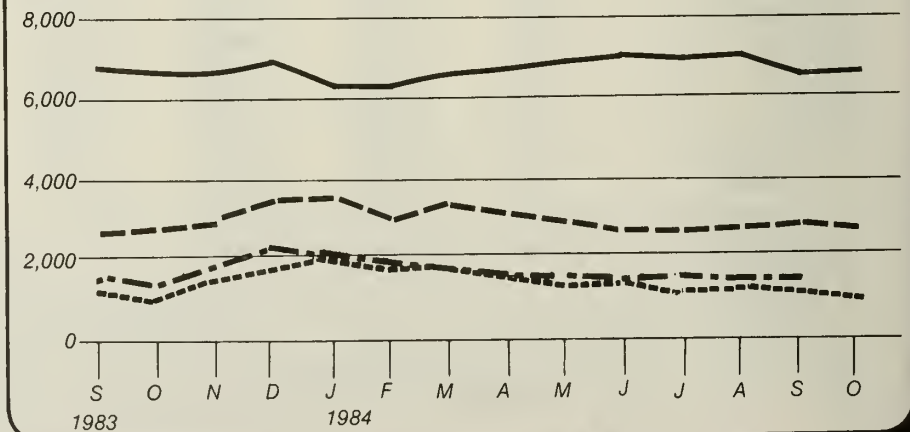
Petroleum Products Supplied

(Thousand Barrels Per Day)



Annual

Legend
 — Motor Gasoline
 - - - Distillate Fuel Oil
 . . . Residual Fuel Oil
 - . . LPG¹

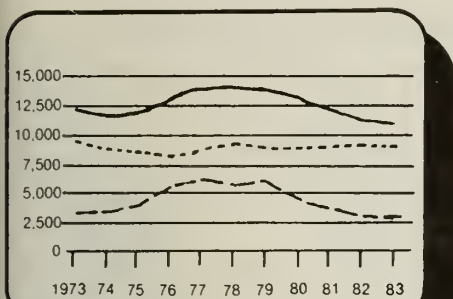


Monthly

¹ Liquefied Petroleum Gases

Crude Oil Supply and Disposition

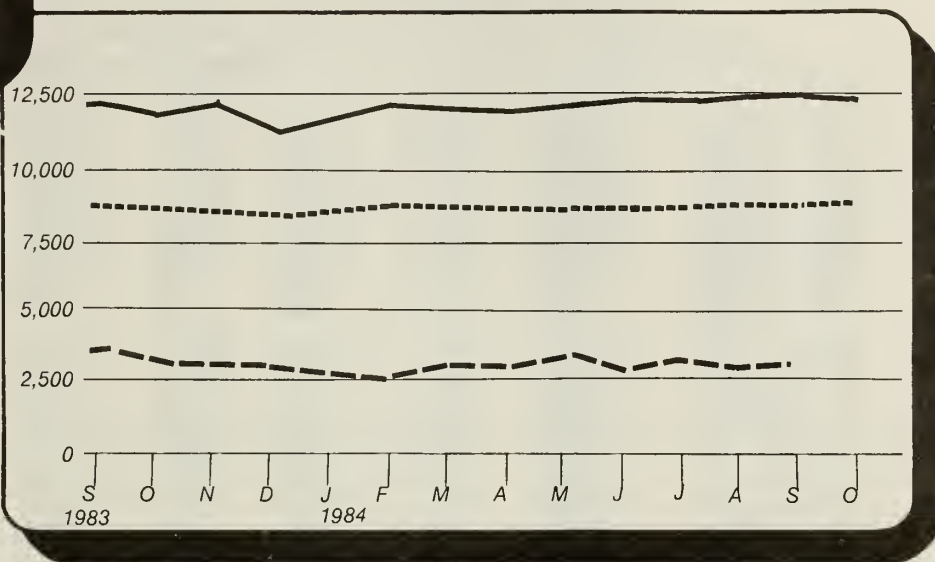
(Thousand Barrels Per Day)



Legend
 — Refinery Inputs
 - - Domestic Crude Oil Production
 - - Net Imports¹

Annual

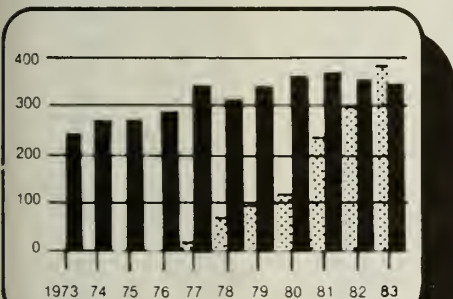
¹ Excludes SPR Imports



Monthly

Crude Oil Ending Stocks

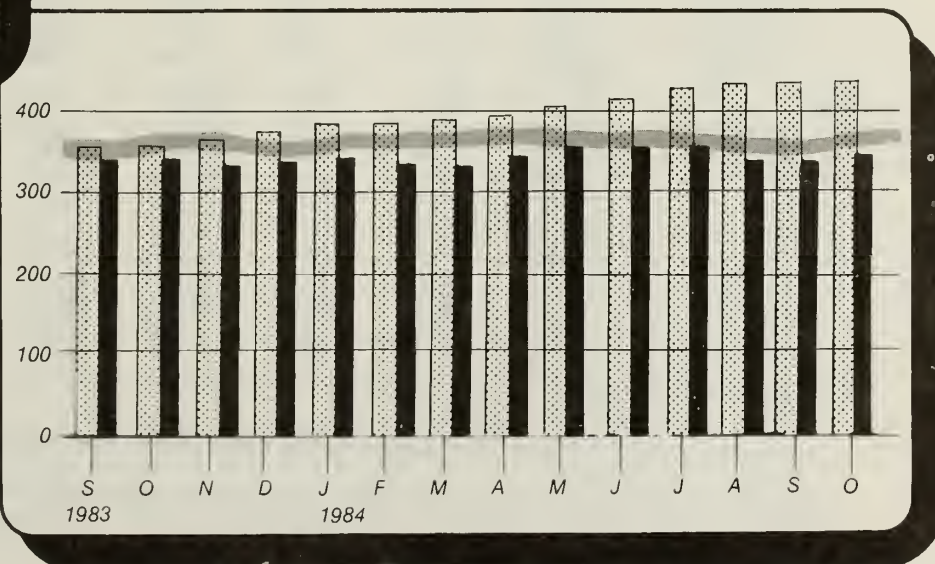
(Million Barrels)



Legend
 ■ Other Primary
 ■ SPR
 ■ Average Stock Range¹

Annual

¹ Level and width of Average Stock range for other primary crude oil based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Crude Oil¹ Supply and Disposition

| | | Supply | | | | | | | |
|--------------------------|------------|------------------|---------|---------|------------------|---------|-------------------------------|-------------------|------|
| | | Field Production | | Imports | | | Stock Withdrawal ³ | | |
| | | Total Domestic | Alaskan | Total | SPR ⁴ | Other | SPR ⁴ | Other | |
| | | | | | | | | | |
| Thousand Barrels per Day | | | | | | | | | |
| 1973 | Average | 9,208 | 198 | 3,244 | | 3,244 | | 11 | 3 |
| 1974 | Average | 8,774 | 193 | 3,477 | | 3,477 | | -62 | -25 |
| 1975 | Average | 8,375 | 191 | 4,105 | | 4,105 | | -17 | 17 |
| 1976 | Average | 8,132 | 173 | 5,287 | | 5,287 | | -39 | 77 |
| 1977 | Average | 8,245 | 464 | 6,615 | 21 | 6,594 | -20 | -150 | -6 |
| 1978 | Average | 8,707 | 1,229 | 6,356 | 162 | 6,195 | -163 | 84 | -57 |
| 1979 | Average | 8,552 | 1,401 | 6,519 | 67 | 6,452 | -67 | -81 | -11 |
| 1980 | Average | 8,597 | 1,617 | 5,263 | 44 | 5,219 | -45 | -52 | 34 |
| 1981 | Average | 8,572 | 1,609 | 4,396 | 256 | 4,141 | -336 | ⁶ 46 | 83 |
| 1982 | January | 8,509 | 1,705 | 3,693 | 170 | 3,523 | -159 | -242 | 101 |
| | February | 8,702 | 1,707 | 2,990 | 159 | 2,830 | -213 | -29 | 156 |
| | March | 8,667 | 1,696 | 2,874 | 185 | 2,689 | -235 | 357 | 2 |
| | April | 8,591 | 1,691 | 2,849 | 190 | 2,659 | -233 | 196 | 231 |
| | May | 8,683 | 1,707 | 3,309 | 204 | 3,105 | -176 | 205 | 111 |
| | June | 8,646 | 1,665 | 3,836 | 105 | 3,732 | -105 | 144 | 133 |
| | July | 8,658 | 1,710 | 4,248 | 97 | 4,150 | -97 | -50 | -20 |
| | August | 8,634 | 1,697 | 3,851 | 208 | 3,643 | -208 | -232 | 189 |
| | September | 8,701 | 1,705 | 3,636 | 139 | 3,497 | -143 | 406 | -210 |
| | October | 8,701 | 1,706 | 3,670 | 216 | 3,454 | -216 | -332 | 249 |
| | November | 8,697 | 1,676 | 3,862 | 180 | 3,683 | -179 | -219 | -124 |
| | December | 8,598 | 1,682 | 3,000 | 124 | 2,877 | -125 | 252 | 35 |
| | | Average | 8,649 | 1,696 | 3,488 | 165 | 3,323 | -174 | 38 |
| 1983 | January | 8,697 | 1,732 | 2,964 | 219 | 2,746 | -219 | ⁶ -280 | 170 |
| | February | 8,758 | 1,717 | 2,267 | 197 | 2,070 | -197 | -123 | 262 |
| | March | 8,700 | 1,732 | 2,290 | 201 | 2,089 | -184 | 267 | 31 |
| | April | 8,776 | 1,721 | 3,118 | 205 | 2,913 | -197 | -205 | 98 |
| | May | 8,631 | 1,662 | 3,360 | 289 | 3,071 | -293 | 278 | 169 |
| | June | 8,667 | 1,687 | 3,577 | 190 | 3,387 | -188 | 66 | 370 |
| | July | 8,636 | 1,715 | 3,871 | 274 | 3,597 | -264 | 497 | -167 |
| | August | 8,679 | 1,697 | 4,227 | 350 | 3,876 | -358 | -438 | 281 |
| | September | 8,784 | 1,738 | 4,210 | 309 | 3,901 | -307 | 68 | -30 |
| | October | 8,771 | 1,733 | 3,446 | 202 | 3,244 | -201 | -73 | 44 |
| | November | 8,770 | 1,720 | 3,337 | 171 | 3,166 | -135 | 250 | 34 |
| | December | 8,397 | 1,711 | 3,213 | 193 | 3,020 | -252 | -78 | 117 |
| | | Average | 8,688 | 1,714 | 3,329 | 234 | 3,096 | -234 | 20 |
| 1984 | January | 8,659 | 1,741 | 3,029 | 200 | 2,829 | -173 | -169 | 451 |
| | February | 8,726 | 1,740 | 2,952 | 85 | 2,868 | -96 | 282 | 487 |
| | March | 8,718 | 1,740 | 3,455 | 148 | 3,307 | -147 | 145 | 66 |
| | April | 8,688 | 1,725 | 3,417 | 170 | 3,247 | -170 | -396 | 590 |
| | May | 8,752 | 1,793 | 3,927 | 246 | 3,681 | -245 | -371 | 463 |
| | June | 8,743 | 1,792 | 3,410 | 309 | 3,101 | -309 | 214 | 490 |
| | July | 8,769 | 1,769 | 3,646 | 329 | 3,317 | -328 | 144 | 25 |
| | August | 8,781 | 1,725 | 3,244 | 180 | 3,064 | -179 | 429 | 383 |
| | September* | 8,759 | 1,725 | R 3,294 | R 53 | R 3,240 | R -53 | R 320 | 234 |
| | October** | 8,847 | 1,708 | 3,731 | 138 | 3,593 | -138 | -204 | NA |
| | Average | 8,744 | 1,746 | 3,414 | 186 | 3,227 | -184 | 38 | NA |

¹ Includes lease condensate.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Strategic Petroleum Reserve.

⁵ Beginning in January 1983, crude oil used directly as fuel is shown as product supplied.

⁶ Stocks of Alaskan crude oil in transit were included beginning in January 1981. Stock withdrawals are calculated using new basis stock levels. See Explanatory Notes 10 and 11.

Footnotes continued on following page.

Crude Oil¹ Supply and Disposition (continued)

| | | Supply | Disposition | | | | Ending Stocks ² | | |
|------|------------|----------------------------------|--------------|-----------------|---------|--------------------------------|----------------------------|------------------|------------------|
| | | Crude Used Directly ⁵ | Crude Losses | Refinery Inputs | Exports | Products Supplied ⁵ | Total Crude Oil | SPR ⁴ | Other Primary |
| | | Thousand Barrels per Day | | | | | Million Barrels | | |
| 1973 | Average | -19 | 13 | 12,431 | 2 | NA | 242 | | 242 |
| 1974 | Average | -15 | 13 | 12,133 | 3 | NA | 265 | | 265 |
| 1975 | Average | -17 | 13 | 12,442 | 6 | NA | 271 | | 271 |
| 1976 | Average | -18 | 15 | 13,416 | 8 | NA | 285 | | 285 |
| 1977 | Average | -14 | 16 | 14,602 | 50 | NA | 348 | 7 | 340 |
| 1978 | Average | -14 | 16 | 14,739 | 158 | NA | 376 | 67 | 309 |
| 1979 | Average | -13 | 16 | 14,648 | 235 | NA | 430 | 91 | 339 |
| 1980 | Average | -13 | 15 | 13,481 | 287 | NA | ⁶ 466 | 108 | ⁶ 358 |
| 1981 | Average | -58 | 5 | 12,470 | 228 | NA | 594 | 230 | 363 |
| 1982 | | | | | | | | | |
| | January | -63 | 3 | 11,599 | 238 | NA | 606 | 235 | 371 |
| | February | -64 | 2 | 11,236 | 304 | NA | 613 | 241 | 372 |
| | March | -63 | 5 | 11,276 | 321 | NA | 609 | 249 | 361 |
| | April | -65 | 3 | 11,392 | 174 | NA | 610 | 256 | 355 |
| | May | -62 | 3 | 11,806 | 262 | NA | 609 | 261 | 348 |
| | June | -60 | 7 | 12,494 | 94 | NA | 608 | 264 | 344 |
| | July | -60 | 3 | 12,446 | 229 | NA | 613 | 267 | 346 |
| | August | -57 | 2 | 11,871 | 304 | NA | 626 | 274 | 353 |
| | September | -56 | 4 | 12,146 | 184 | NA | 619 | 278 | 341 |
| | October | -51 | 2 | 11,749 | 270 | NA | 636 | 285 | 351 |
| | November | -51 | 1 | 11,724 | 262 | NA | 648 | 290 | 358 |
| | December | -53 | 1 | 11,514 | 193 | NA | ⁶ 644 | 294 | 350 |
| | Average | -59 | 3 | 11,774 | 236 | NA | | | |
| 1983 | | | | | | | | | |
| | January | NA | 2 | 11,143 | 117 | 71 | 660 | 301 | 360 |
| | February | NA | 3 | 10,633 | 262 | 71 | 669 | 306 | 363 |
| | March | NA | 2 | 10,859 | 174 | 70 | 667 | 312 | 355 |
| | April | NA | 2 | 11,433 | 88 | 68 | 679 | 318 | 361 |
| | May | NA | 1 | 11,800 | 280 | 63 | 679 | 327 | 353 |
| | June | NA | (s) | 12,284 | 144 | 64 | 683 | 332 | 351 |
| | July | NA | 2 | 12,360 | 145 | 65 | 676 | 341 | 335 |
| | August | NA | 1 | 12,152 | 172 | 64 | 700 | 352 | 349 |
| | September | NA | 1 | 12,482 | 177 | 66 | 708 | 361 | 347 |
| | October | NA | 1 | 11,782 | 140 | 63 | 716 | 367 | 349 |
| | November | NA | 2 | 12,004 | 186 | 64 | 713 | 371 | 341 |
| | December | NA | 1 | 11,234 | 95 | 67 | 723 | 379 | 344 |
| | Average | NA | 2 | 11,685 | 164 | 66 | | | |
| 1984 | | | | | | | | | |
| | January | NA | 1 | 11,579 | 153 | 64 | 733 | 384 | 348 |
| | February | NA | 1 | 12,100 | 185 | 65 | 727 | 387 | 340 |
| | March | NA | 2 | 11,936 | 236 | 62 | 728 | 392 | 336 |
| | April | NA | (s) | 11,893 | 172 | 64 | 744 | 397 | 348 |
| | May | NA | 2 | 12,243 | 219 | 62 | 764 | 404 | 359 |
| | June | NA | 2 | 12,263 | 222 | 61 | 766 | 414 | 353 |
| | July | NA | 1 | 12,087 | 108 | 60 | 772 | 424 | 348 |
| | August | NA | 1 | 12,403 | 190 | 63 | 764 | 429 | 335 |
| | September* | NA | -2 | R 12,327 | 162 | 66 | R 756 | R 431 | R 325 |
| | October** | NA | NA | 12,219 | NA | NA | 773 | 436 | 337 |
| | Average | NA | NA | 12,105 | NA | NA | | | |

Footnotes continued.

* See Explanatory Note 9.2.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Crude Oil and Petroleum Product Imports

| | | Imports from OPEC Sources ¹ | | | | | | | | | |
|------|-----------|--|-------|--------------|----------------------|-----------|------|---------|-----------|-------------------------|------------------------------|
| | | Algeria | Libya | Saudi Arabia | United Arab Emirates | Indonesia | Iran | Nigeria | Venezuela | Other OPEC ² | Total Arab OPEC ³ |
| | | Thousand Barrels per Day | | | | | | | | | |
| 1973 | Average | 136 | 164 | 486 | 71 | 213 | 223 | 459 | 1,135 | 106 | 2,993 |
| 1974 | Average | 190 | 4 | 461 | 74 | 300 | 469 | 713 | 979 | 88 | 3,280 |
| 1975 | Average | 282 | 232 | 715 | 117 | 390 | 280 | 762 | 702 | 122 | 3,601 |
| 1976 | Average | 432 | 453 | 1,230 | 254 | 539 | 298 | 1,025 | 700 | 134 | 5,066 |
| 1977 | Average | 559 | 723 | 1,380 | 335 | 541 | 535 | 1,143 | 690 | 287 | 6,193 |
| 1978 | Average | 649 | 654 | 1,144 | 385 | 573 | 555 | 919 | 645 | 226 | 5,751 |
| 1979 | Average | 636 | 658 | 1,356 | 281 | 420 | 304 | 1,080 | 690 | 212 | 5,637 |
| 1980 | Average | 488 | 554 | 1,261 | 172 | 348 | 9 | 857 | 481 | 130 | 4,300 |
| 1981 | Average | 311 | 319 | 1,129 | 81 | 366 | 0 | 620 | 406 | 90 | 3,323 |
| 1982 | January | 254 | 161 | 877 | 111 | 289 | 0 | 663 | 376 | 128 | 2,859 |
| | February | 139 | 92 | 693 | 89 | 244 | 0 | 584 | 355 | 102 | 2,297 |
| | March | 91 | 37 | 555 | 155 | 200 | 0 | 522 | 399 | 91 | 2,051 |
| | April | 85 | 0 | 511 | 122 | 215 | 0 | 427 | 426 | 85 | 1,871 |
| | May | 179 | 0 | 601 | 116 | 236 | 0 | 222 | 422 | 54 | 1,830 |
| | June | 115 | 0 | 593 | 94 | 215 | 72 | 537 | 361 | 110 | 2,096 |
| | July | 159 | 0 | 660 | 108 | 327 | 69 | 910 | 356 | 95 | 2,685 |
| | August | 181 | 0 | 489 | 133 | 271 | 27 | 574 | 299 | 133 | 2,107 |
| | September | 179 | 0 | 432 | 57 | 191 | 21 | 477 | 518 | 69 | 1,943 |
| | October | 249 | 7 | 494 | 61 | 242 | 108 | 313 | 504 | 106 | 2,084 |
| | November | 247 | 14 | 489 | 47 | 283 | 34 | 479 | 528 | 115 | 2,235 |
| | December | 155 | 0 | 237 | 12 | 265 | 88 | 462 | 399 | 73 | 1,690 |
| | Average | 170 | 26 | 552 | 92 | 248 | 35 | 514 | 412 | 97 | 2,146 |
| 1983 | January | 207 | 0 | 282 | 47 | 255 | 43 | 186 | 337 | 54 | 1,412 |
| | February | 115 | 0 | 214 | 9 | 217 | 0 | 92 | 393 | 28 | 1,068 |
| | March | 63 | 0 | 103 | 0 | 138 | 0 | 121 | 440 | 201 | 1,066 |
| | April | 227 | 0 | 162 | (S) | 210 | 0 | 186 | 523 | 125 | 1,432 |
| | May | 286 | 0 | 122 | 12 | 405 | 37 | 385 | 455 | 69 | 1,771 |
| | June | 300 | 0 | 188 | 40 | 466 | 38 | 467 | 335 | 138 | 1,973 |
| | July | 283 | 0 | 182 | 64 | 464 | 112 | 525 | 434 | 187 | 2,251 |
| | August | 378 | 0 | 448 | 52 | 433 | 213 | 464 | 511 | 230 | 2,728 |
| | September | 423 | 0 | 587 | 21 | 501 | 86 | 324 | 432 | 221 | 2,595 |
| | October | 261 | 0 | 638 | 16 | 368 | 12 | 307 | 337 | 169 | 2,108 |
| | November | 184 | 0 | 545 | 56 | 302 | 21 | 215 | 452 | 135 | 1,910 |
| | December | 144 | 0 | 569 | 45 | 294 | 9 | 329 | 415 | 163 | 1,969 |
| | Average | 240 | 0 | 337 | 30 | 338 | 48 | 302 | 422 | 144 | 1,862 |
| 1984 | January | 242 | 0 | 463 | 114 | 278 | 0 | 243 | 547 | 51 | 1,939 |
| | February | 348 | 0 | 324 | 33 | 267 | 0 | 244 | 481 | 174 | 1,871 |
| | March | 283 | 0 | 307 | 112 | 284 | 67 | 260 | 354 | 127 | 1,792 |
| | April | 280 | 0 | 320 | 95 | 221 | 0 | 288 | 581 | 158 | 1,944 |
| | May | 456 | 0 | 329 | 240 | 480 | 0 | 289 | 621 | 242 | 2,657 |
| | June | 284 | 0 | 411 | 46 | 415 | 0 | 243 | 574 | 139 | 2,112 |
| | July | 332 | 0 | 429 | 112 | 384 | 0 | 204 | 535 | 242 | 2,237 |
| | August | 404 | 0 | 438 | 82 | 281 | 0 | 114 | 487 | 216 | 2,021 |
| | September | 343 | 0 | 159 | 113 | 333 | 17 | 160 | 689 | 147 | 1,961 |
| | Average | 330 | 0 | 354 | 106 | 327 | 9 | 227 | 541 | 166 | 2,061 |

¹ Excludes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

² Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.

³ Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar. Footnotes continued on following page.

Crude Oil and Petroleum Product Imports (continued)

| | | Imports from Non-OPEC Sources ⁴ | | | | | | | | | | |
|------|-----------|--|--------|--------|------------------------------|---------------------------|-------------------|----------------|-------------------|----------------------|----------------------|------------------|
| | | Baha- mas | Canada | Mexico | Nether- lands Antilles | Trinidad and Tobago | United Kingdom | Puerto Rico | Virgin Islands | Other Non OPEC | Total Non OPEC | Total Imports |
| | | Thousand Barrels per Day | | | | | | | | | | |
| 1973 | Average | 174 | 1,325 | 16 | 585 | 255 | 15 | 99 | 329 | 465 | 3,263 | 6,256 |
| 1974 | Average | 164 | 1,070 | 8 | 511 | 251 | 8 | 90 | 391 | 340 | 2,832 | 6,112 |
| 1975 | Average | 152 | 846 | 71 | 332 | 242 | 14 | 90 | 406 | 300 | 2,454 | 6,056 |
| 1976 | Average | 118 | 599 | 87 | 275 | 274 | 31 | 88 | 422 | 353 | 2,247 | 7,313 |
| 1977 | Average | 171 | 517 | 179 | 211 | 289 | 126 | 105 | 466 | 550 | 2,614 | 8,807 |
| 1978 | Average | 160 | 467 | 318 | 229 | 253 | 180 | 94 | 429 | 484 | 2,613 | 8,363 |
| 1979 | Average | 147 | 538 | 439 | 231 | 190 | 202 | 92 | 431 | 548 | 2,819 | 8,456 |
| 1980 | Average | 78 | 455 | 533 | 225 | 176 | 176 | 88 | 388 | 491 | 2,609 | 6,909 |
| 1981 | Average | 74 | 447 | 522 | 197 | 133 | 375 | 62 | 327 | 534 | 2,672 | 5,996 |
| 1982 | January | 58 | 513 | 425 | 179 | 106 | 346 | 62 | 334 | 452 | 2,474 | 5,332 |
| | February | 67 | 537 | 476 | 221 | 120 | 181 | 38 | 362 | 508 | 2,510 | 4,807 |
| | March | 43 | 437 | 503 | 189 | 118 | 294 | 62 | 307 | 480 | 2,433 | 4,484 |
| | April | 82 | 360 | 476 | 184 | 166 | 247 | 36 | 266 | 690 | 2,507 | 4,387 |
| | May | 77 | 419 | 766 | 152 | 95 | 516 | 47 | 302 | 607 | 2,981 | 4,811 |
| | June | 32 | 481 | 797 | 148 | 129 | 557 | 58 | 322 | 708 | 3,231 | 5,327 |
| | July | 64 | 536 | 783 | 158 | 118 | 433 | 38 | 376 | 698 | 3,204 | 5,890 |
| | August | 80 | 443 | 853 | 145 | 106 | 520 | 24 | 317 | 650 | 3,137 | 5,244 |
| | September | 92 | 493 | 897 | 195 | 89 | 631 | 51 | 278 | 746 | 3,472 | 5,414 |
| | October | 45 | 459 | 682 | 148 | 109 | 666 | 52 | 262 | 801 | 3,222 | 5,306 |
| | November | 51 | 553 | 860 | 212 | 90 | 623 | 81 | 334 | 706 | 3,508 | 5,744 |
| | December | 88 | 561 | 689 | 174 | 102 | 438 | 48 | 336 | 480 | 2,916 | 4,606 |
| | Average | 65 | 482 | 685 | 175 | 112 | 456 | 50 | 316 | 627 | 2,968 | 5,113 |
| 1983 | January | 68 | 534 | 849 | 228 | 73 | 314 | 40 | 299 | 621 | 3,026 | 4,438 |
| | February | 92 | 586 | 722 | 183 | 81 | 193 | 50 | 192 | 558 | 2,658 | 3,726 |
| | March | 86 | 488 | 775 | 187 | 78 | 240 | 43 | 162 | 565 | 2,624 | 3,690 |
| | April | 174 | 454 | 981 | 216 | 85 | 421 | 20 | 183 | 759 | 3,295 | 4,727 |
| | May | 135 | 518 | 944 | 153 | 108 | 484 | 42 | 235 | 699 | 3,318 | 5,089 |
| | June | 137 | 586 | 830 | 173 | 120 | 440 | 48 | 262 | 757 | 3,353 | 5,326 |
| | July | 69 | 634 | 849 | 198 | 107 | 369 | 37 | 364 | 864 | 3,490 | 5,741 |
| | August | 144 | 542 | 906 | 197 | 90 | 461 | 40 | 313 | 738 | 3,431 | 6,159 |
| | September | 148 | 533 | 849 | 261 | 82 | 475 | 33 | 307 | 845 | 3,534 | 6,129 |
| | October | 171 | 532 | 771 | 172 | 106 | 414 | 48 | 357 | 580 | 3,151 | 5,258 |
| | November | 148 | 556 | 726 | 144 | 110 | 334 | 55 | 427 | 801 | 3,300 | 5,210 |
| | December | 127 | 604 | 710 | 153 | 113 | 429 | 22 | 278 | 628 | 3,063 | 5,033 |
| | Average | 125 | 547 | 826 | 189 | 96 | 382 | 40 | 282 | 701 | 3,189 | 5,051 |
| 1984 | January | 152 | 624 | 705 | 277 | 54 | 382 | 53 | 390 | 772 | 3,408 | 5,347 |
| | February | 142 | 620 | 747 | 288 | 77 | 338 | 58 | 418 | 1,083 | 3,772 | 5,643 |
| | March | 88 | 726 | 707 | 169 | 93 | 400 | 34 | 247 | 996 | 3,460 | 5,253 |
| | April | 88 | 691 | 859 | 207 | 91 | 282 | 37 | 257 | 863 | 3,375 | 5,319 |
| | May | 31 | 715 | 675 | 192 | 57 | 418 | 38 | 336 | 796 | 3,259 | 5,916 |
| | June | 50 | 499 | 732 | 234 | 104 | 318 | 53 | 268 | 934 | 3,192 | 5,304 |
| | July | 14 | 574 | 738 | 99 | 120 | 362 | 27 | 292 | 924 | 3,150 | 5,387 |
| | August | 57 | 551 | 621 | 205 | 98 | 388 | 34 | 236 | 826 | 3,015 | 5,036 |
| | September | 101 | 537 | 762 | 133 | 103 | 490 | 38 | 245 | 803 | 3,213 | 5,173 |
| | Average | 80 | 616 | 727 | 200 | 89 | 376 | 41 | 298 | 887 | 3,313 | 5,375 |

Footnotes continued.

⁴ Includes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

(*) = Less than 500 barrels per day.

Note: Beginning in October 1977, Strategic Petroleum Reserve imports are included.

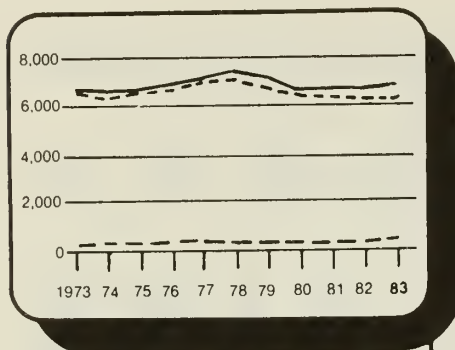
Total may not equal sum of components due to independent rounding.

Geographic coverage: The 50 United States and the District of Columbia.

Source: See the last page of this section.

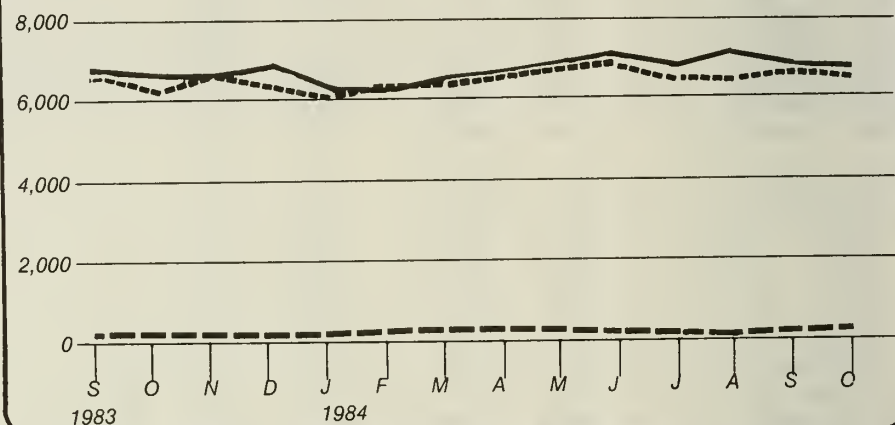
Motor Gasoline Supply and Disposition

(Thousand Barrels Per Day)



Annual

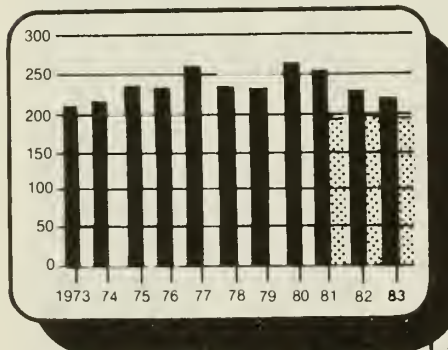
Legend
 — Product Supplied
 - - - Finished Gasoline Production
 . . . Finished Gasoline Imports



Monthly

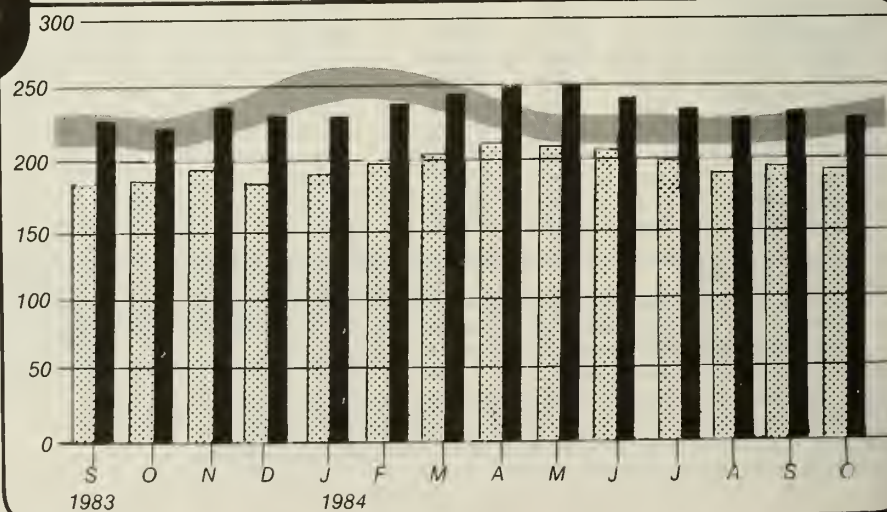
Motor Gasoline Ending Stocks

(Million Barrels)



Annual

Legend
 ■ Total Motor Gasoline¹
 ■ Finished Motor Gasoline
 ■ Average Stock Range²



Monthly

¹ Includes motor gasoline blending components and finished motor gasoline.

² Level and width of Average Stock Range for total motor gasoline based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.

Finished Motor Gasoline Supply and Disposition

| | | Supply | | | Disposition | | | | Ending Stocks ¹ | |
|------|----------------------|------------------|----------------------|----------------------------------|-------------|-------------------|-----------------------|----------|-----------------------------------|-------------------------|
| | | Total Production | Imports ² | Stock With-drawal ^{2 3} | Exports | Products Supplied | | | Total Motor Gasoline ⁵ | Finished Motor Gasoline |
| | | | | | | Total | Unleaded ⁴ | Unleaded | | |
| | | | | | | | | | | |
| 1973 | Average | 6,535 | 134 | 9 | 4 | 6,674 | NA | NA | 209 | |
| 1974 | Average | 6,360 | 204 | -24 | 2 | 6,537 | NA | NA | ⁶ 218 | |
| 1975 | Average | 6,520 | 184 | ⁶ -28 | 2 | 6,675 | NA | NA | 235 | |
| 1976 | Average | 6,841 | 131 | 10 | 3 | 6,978 | NA | NA | 231 | |
| 1977 | Average | 7,033 | 217 | -72 | 2 | 7,177 | 1,976 | 27.5 | 258 | |
| 1978 | Average | 7,169 | 190 | 54 | 1 | 7,412 | 2,521 | 34.0 | 238 | |
| 1979 | Average | 6,852 | 181 | 2 | 0 | 7,034 | 2,798 | 39.8 | 237 | |
| 1980 | Average | 6,506 | 140 | -66 | 1 | 6,579 | 3,067 | 46.6 | ⁶ 261 | |
| 1981 | Average ⁷ | 6,405 | 157 | ⁶ 28 | 2 | 6,588 | 3,264 | 49.5 | 253 | |
| 1982 | January | 6,167 | 128 | -316 | 18 | 5,961 | 3,067 | 51.5 | 261 | 213 |
| | February | 5,899 | 133 | 172 | 8 | 6,196 | 3,210 | 51.8 | 257 | 208 |
| | March | 5,994 | 183 | 334 | 44 | 6,466 | 3,358 | 51.9 | 247 | 198 |
| | April | 6,095 | 185 | 650 | 33 | 6,897 | 3,495 | 50.7 | 221 | 179 |
| | May | 6,319 | 182 | 177 | 23 | 6,655 | 3,415 | 51.3 | 214 | 173 |
| | June | 6,754 | 230 | -134 | 14 | 6,835 | 3,565 | 52.2 | 219 | 177 |
| | July | 6,768 | 225 | -178 | 24 | 6,790 | 3,577 | 52.7 | 226 | 183 |
| | August | 6,419 | 291 | -81 | 16 | 6,614 | 3,526 | 53.3 | 227 | 185 |
| | September | 6,527 | 223 | -198 | 22 | 6,531 | 3,404 | 52.1 | 234 | 191 |
| | October | 6,262 | 185 | -42 | 15 | 6,391 | 3,351 | 52.4 | 234 | 192 |
| | November | 6,273 | 211 | 101 | 11 | 6,574 | 3,451 | 52.5 | 230 | 189 |
| | December | 6,542 | 178 | -165 | 7 | 6,549 | 3,485 | 53.2 | ⁶ 235 | ⁶ 194 |
| | Average | 6,338 | 197 | 25 | 20 | 6,539 | 3,409 | 52.1 | | |
| 1983 | January | 6,065 | 153 | ⁶ -167 | 0 | 6,051 | 3,364 | 55.6 | 250 | 207 |
| | February | 5,848 | 128 | 24 | 0 | 6,000 | 3,264 | 54.4 | 250 | 207 |
| | March | 5,906 | 186 | 768 | 23 | 6,836 | 3,622 | 53.0 | 223 | 183 |
| | April | 6,201 | 255 | -3 | 1 | 6,452 | 3,492 | 54.1 | 221 | 183 |
| | May | 6,397 | 305 | -83 | 1 | 6,617 | 3,558 | 53.8 | 223 | 185 |
| | June | 6,655 | 277 | 84 | 22 | 6,994 | 3,792 | 54.2 | 223 | 183 |
| | July | 6,707 | 302 | -225 | 18 | 6,765 | 3,746 | 55.4 | 231 | 190 |
| | August | 6,537 | 250 | 161 | 13 | 6,936 | 3,836 | 55.3 | 226 | 185 |
| | September | 6,611 | 279 | -149 | 14 | 6,727 | 3,691 | 54.9 | 229 | 189 |
| | October | 6,188 | 330 | 72 | 2 | 6,588 | 3,711 | 56.3 | 227 | 187 |
| | November | 6,634 | 269 | -298 | 2 | 6,603 | 3,692 | 55.9 | 236 | 196 |
| | December | 6,308 | 224 | 339 | 25 | 6,846 | 3,966 | 57.9 | 222 | 186 |
| | Average | 6,340 | 247 | 45 | 10 | 6,622 | 3,647 | 55.1 | | |
| 1984 | January | 6,037 | 233 | -1 | 1 | 6,268 | 3,606 | 57.5 | 225 | 186 |
| | February | 6,320 | 303 | -384 | 2 | 6,237 | 3,585 | 57.5 | 237 | 197 |
| | March | 6,375 | 343 | -197 | 9 | 6,512 | 3,747 | 57.5 | 243 | 203 |
| | April | 6,528 | 308 | -153 | 0 | 6,682 | 3,854 | 57.7 | 248 | 207 |
| | May | 6,650 | 329 | -106 | 0 | 6,873 | 3,990 | 58.1 | 253 | 211 |
| | June | 6,620 | 272 | 217 | 17 | 7,092 | 4,210 | 59.4 | 245 | 204 |
| | July | 6,481 | 247 | 130 | 9 | 6,849 | 4,094 | 59.8 | 239 | 200 |
| | August | 6,436 | 243 | 437 | 1 | 7,114 | 4,263 | 59.9 | 225 | 187 |
| | September* | R 6,545 | R 333 | R -263 | 2 | R 6,614 | 3,982 | 60.2 | R 235 | R 194 |
| | October** | 6,414 | 325 | -47 | NA | 6,688 | NA | NA | 230 | 192 |
| | Average | 6,440 | 293 | -34 | NA | 6,695 | NA | NA | | |

¹ Stocks are totals as of end of period.

² Beginning in 1981, excludes blending components.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Includes gasohol.

⁵ Includes motor gasoline blending components.

⁶ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁷ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.3.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

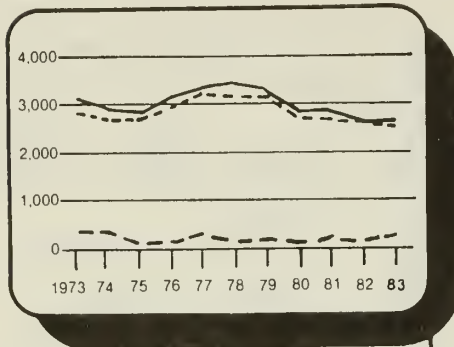
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

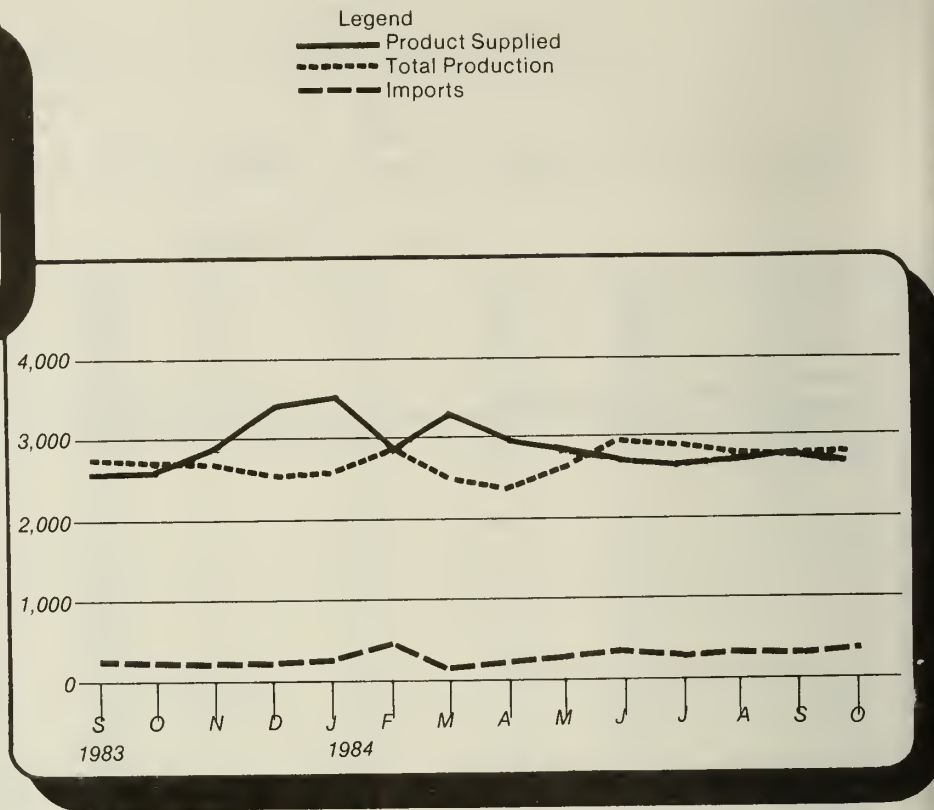
Source: See the last page of this section.

Distillate Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



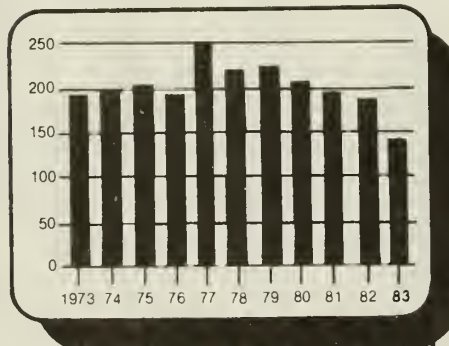
Annual



Monthly

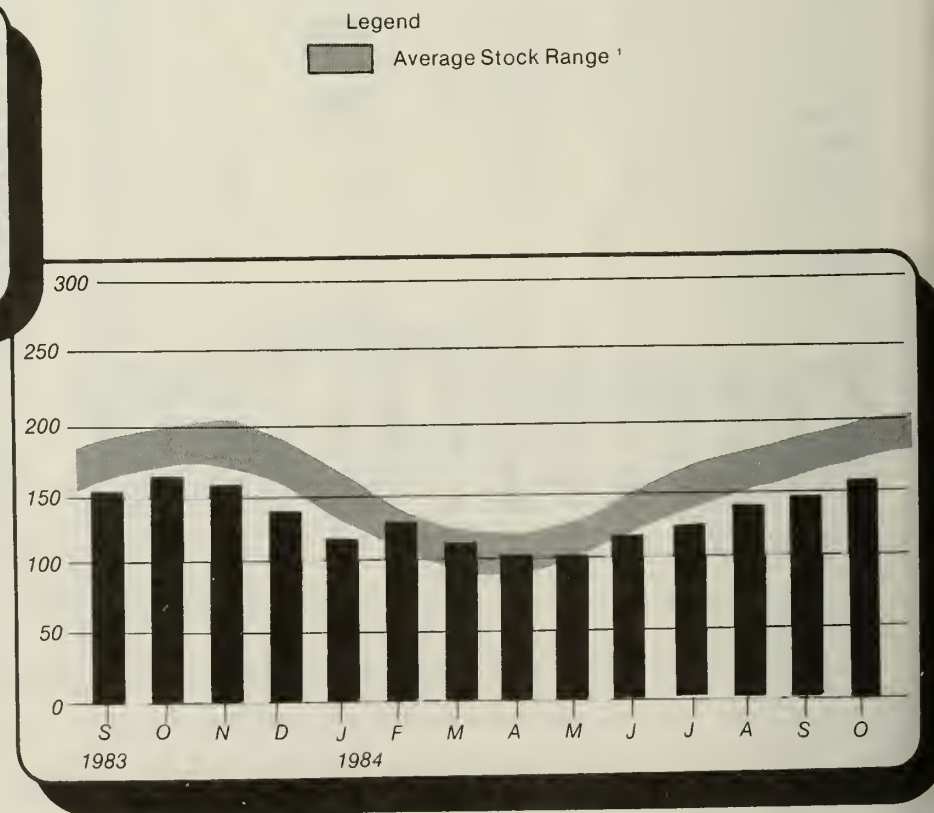
Distillate Fuel Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for distillate fuel oil is based on 3 years on data. Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Distillate Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 2,822 | 392 | -115 | 2 | 9 | 3,092 | 196 |
| 1974 | Average | 2,669 | 289 | -9 | 2 | 2 | 2,948 | ⁴ 200 |
| 1975 | Average | 2,654 | 155 | ⁴ 40 | 2 | 1 | 2,851 | 209 |
| 1976 | Average | 2,924 | 146 | 62 | 1 | 1 | 3,133 | 186 |
| 1977 | Average | 3,278 | 250 | -176 | 1 | 1 | 3,352 | 250 |
| 1978 | Average | 3,167 | 173 | 93 | 1 | 3 | 3,432 | 216 |
| 1979 | Average | 3,153 | 193 | -34 | 1 | 3 | 3,311 | 229 |
| 1980 | Average | 2,662 | 142 | 64 | 1 | 3 | 2,866 | ⁴ 205 |
| 1981 | Average ⁵ | 2,613 | 173 | ⁴ 38 | 10 | 5 | 2,829 | 192 |
| 1982 | January | 2,606 | 97 | 876 | 10 | 90 | 3,484 | 164 |
| | February | 2,427 | 132 | 605 | 11 | 90 | 3,085 | 147 |
| | March | 2,288 | 48 | 682 | 10 | 84 | 2,945 | 126 |
| | April | 2,358 | 59 | 612 | 13 | 64 | 2,978 | 108 |
| | May | 2,618 | 74 | -183 | 10 | 75 | 2,444 | 114 |
| | June | 2,729 | 102 | -335 | 10 | 55 | 2,452 | 124 |
| | July | 2,734 | 125 | -789 | 11 | 24 | 2,058 | 148 |
| | August | 2,507 | 80 | -339 | 10 | 40 | 2,218 | 159 |
| | September | 2,657 | 61 | -85 | 12 | 139 | 2,507 | 161 |
| | October | 2,838 | 91 | -289 | 8 | 66 | 2,581 | 170 |
| | November | 2,860 | 145 | -514 | 8 | 24 | 2,475 | 186 |
| | December | 2,655 | 109 | 225 | 10 | 143 | 2,855 | ⁴ 179 |
| | Average | 2,606 | 93 | 35 | 10 | 74 | 2,671 | |
| 1983 | January | 2,321 | 68 | ⁴ 580 | NA | 173 | 2,797 | 168 |
| | February | 2,135 | 59 | 691 | NA | 105 | 2,780 | 148 |
| | March | 1,993 | 42 | 971 | NA | 59 | 2,947 | 118 |
| | April | 2,171 | 73 | 500 | NA | 47 | 2,697 | 103 |
| | May | 2,444 | 147 | -186 | NA | 50 | 2,354 | 109 |
| | June | 2,546 | 179 | -161 | NA | 40 | 2,524 | 114 |
| | July | 2,604 | 267 | -546 | NA | 55 | 2,270 | 131 |
| | August | 2,615 | 301 | -379 | NA | 43 | 2,495 | 142 |
| | September | 2,739 | 259 | -386 | NA | 37 | 2,575 | 154 |
| | October | 2,681 | 260 | -276 | NA | 55 | 2,611 | 163 |
| | November | 2,680 | 203 | 45 | NA | 54 | 2,874 | 161 |
| | December | 2,522 | 221 | 676 | NA | 54 | 3,365 | 140 |
| | Average | 2,456 | 174 | 124 | NA | 64 | 2,690 | |
| 1984 | January | 2,585 | 270 | 676 | NA | 40 | 3,490 | 119 |
| | February | 2,864 | 458 | -439 | NA | 41 | 2,842 | 132 |
| | March | 2,480 | 115 | 727 | NA | 66 | 3,256 | 110 |
| | April | 2,347 | 220 | 393 | NA | 32 | 2,929 | 98 |
| | May | 2,633 | 252 | -10 | NA | 48 | 2,827 | 98 |
| | June | 2,879 | 266 | -490 | NA | 53 | 2,602 | 113 |
| | July | 2,736 | 198 | -375 | NA | 40 | 2,518 | 125 |
| | August | 2,678 | 263 | -291 | NA | 74 | 2,575 | 134 |
| | September* | R 2,724 | R 285 | R -322 | NA | 22 | R 2,665 | R 143 |
| | October** | 2,739 | 350 | -405 | NA | NA | 2,621 | 155 |
| | Average | 2,665 | 267 | -50 | NA | NA | 2,833 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (°) = Less than 500 barrels per day.

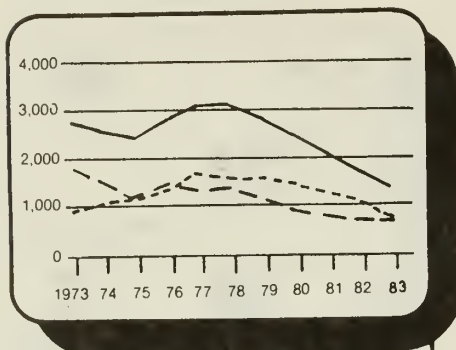
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

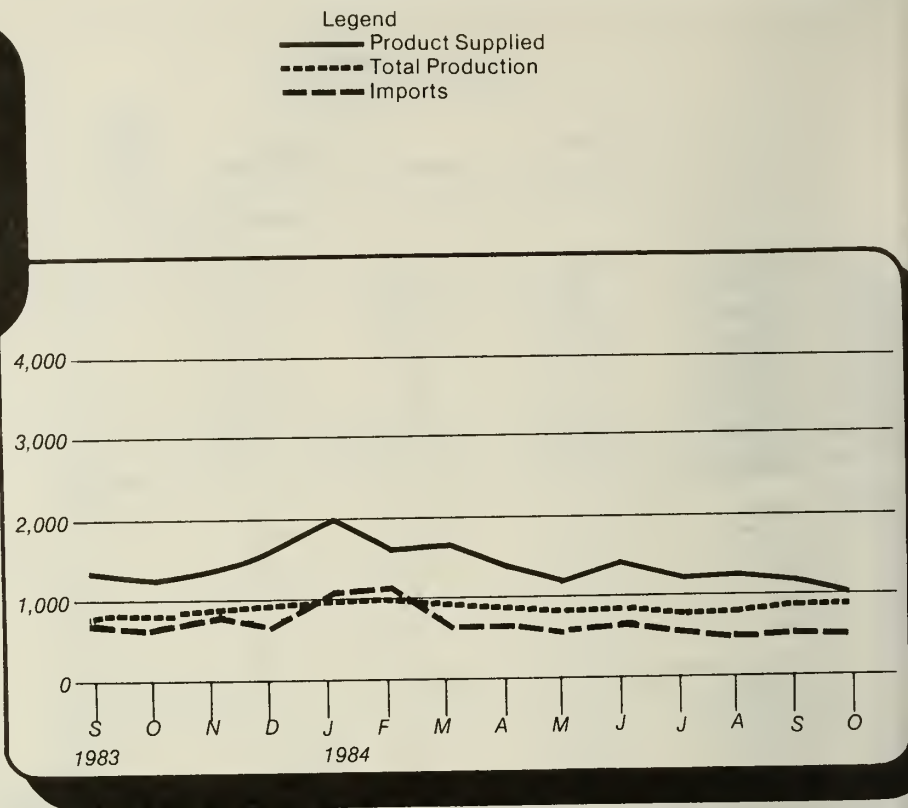
Source: See the last page of this section.

Residual Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



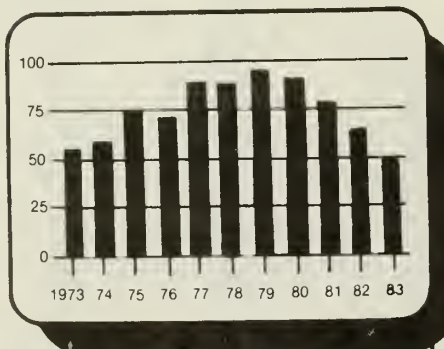
Annual



Month

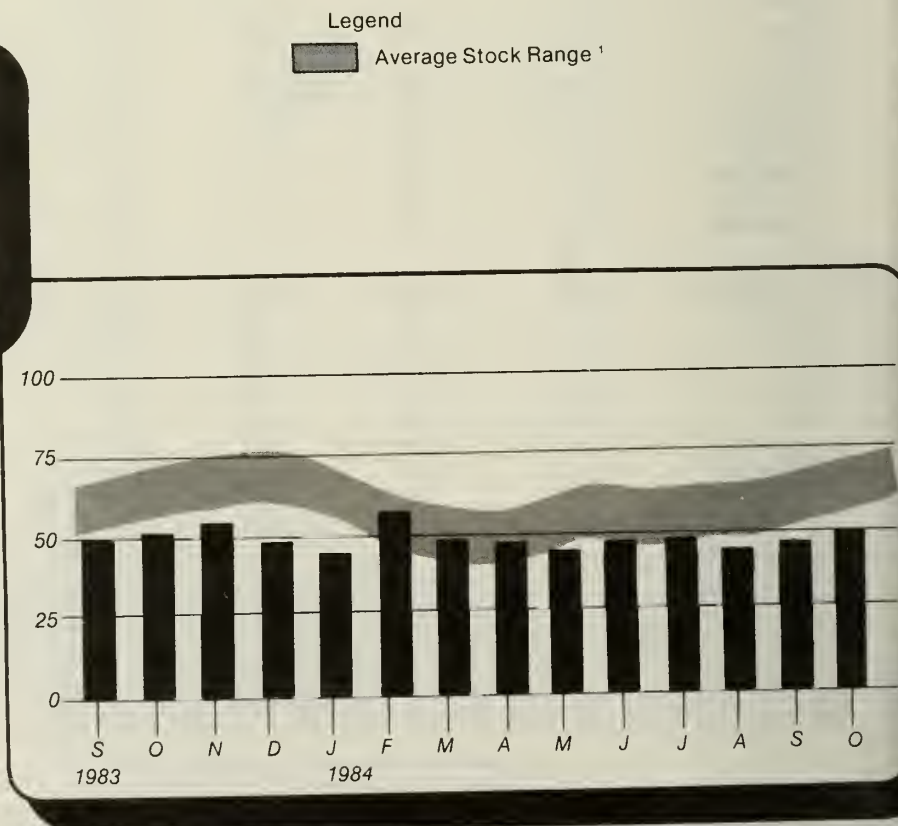
Residual Fuel Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for residual fuel oil based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Month

Residual Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 971 | 1,853 | 5 | 17 | 23 | 2,822 | 53 |
| 1974 | Average | 1,070 | 1,587 | -17 | 13 | 14 | 2,639 | ⁴ 60 |
| 1975 | Average | 1,235 | 1,223 | ⁴ 2 | 15 | 15 | 2,462 | 74 |
| 1976 | Average | 1,377 | 1,413 | 5 | 17 | 12 | 2,801 | 72 |
| 1977 | Average | 1,754 | 1,359 | -48 | 13 | 6 | 3,071 | 90 |
| 1978 | Average | 1,667 | 1,355 | -1 | 13 | 13 | 3,023 | 90 |
| 1979 | Average | 1,687 | 1,151 | -15 | 12 | 9 | 2,826 | 96 |
| 1980 | Average | 1,580 | 939 | 10 | 12 | 33 | 2,508 | ⁴ 92 |
| 1981 | Average ⁵ | 1,321 | 800 | ⁴ 37 | 48 | 118 | 2,088 | 78 |
| 1982 | January | 1,235 | 831 | 301 | 53 | 235 | 2,185 | 69 |
| | February | 1,186 | 956 | 363 | 53 | 213 | 2,344 | 58 |
| | March | 1,123 | 912 | 12 | 53 | 197 | 1,903 | 58 |
| | April | 1,166 | 788 | 150 | 52 | 234 | 1,923 | 54 |
| | May | 1,128 | 742 | -172 | 52 | 191 | 1,560 | 59 |
| | June | 1,074 | 652 | -57 | 50 | 217 | 1,501 | 61 |
| | July | 1,028 | 657 | 56 | 49 | 239 | 1,550 | 59 |
| | August | 965 | 551 | 203 | 47 | 235 | 1,531 | 53 |
| | September | 1,008 | 872 | -306 | 44 | 148 | 1,470 | 62 |
| | October | 955 | 783 | -57 | 43 | 234 | 1,490 | 64 |
| | November | 989 | 837 | -94 | 43 | 182 | 1,591 | 66 |
| | December | 989 | 747 | 6 | 43 | 186 | 1,598 | ⁴ 66 |
| | Average | 1,070 | 776 | 32 | 48 | 209 | 1,716 | |
| 1983 | January | 972 | 691 | ⁴ 258 | NA | 294 | 1,626 | 61 |
| | February | 857 | 647 | 257 | NA | 191 | 1,570 | 53 |
| | March | 835 | 686 | 227 | NA | 169 | 1,579 | 46 |
| | April | 941 | 753 | -10 | NA | 310 | 1,374 | 47 |
| | May | 936 | 738 | -141 | NA | 190 | 1,342 | 51 |
| | June | 828 | 677 | 36 | NA | 218 | 1,323 | 50 |
| | July | 769 | 684 | -64 | NA | 90 | 1,299 | 52 |
| | August | 710 | 739 | 115 | NA | 165 | 1,400 | 48 |
| | September | 826 | 706 | -47 | NA | 134 | 1,351 | 50 |
| | October | 807 | 638 | -50 | NA | 153 | 1,243 | 51 |
| | November | 845 | 780 | -97 | NA | 167 | 1,362 | 54 |
| | December | 897 | 649 | 182 | NA | 141 | 1,587 | 49 |
| | Average | 852 | 699 | 55 | NA | 185 | 1,421 | |
| 1984 | January | 953 | 1,061 | 119 | NA | 151 | 1,981 | 45 |
| | February | 1,003 | 1,107 | -420 | NA | 87 | 1,602 | 58 |
| | March | 887 | 633 | 321 | NA | 204 | 1,637 | 48 |
| | April | 840 | 637 | 9 | NA | 130 | 1,357 | 47 |
| | May | 829 | 554 | 35 | NA | 200 | 1,218 | 46 |
| | June | 841 | 676 | -17 | NA | 176 | 1,324 | 47 |
| | July | 792 | 596 | -77 | NA | 99 | 1,213 | 49 |
| | August | 808 | 572 | 146 | NA | 260 | 1,266 | 45 |
| | September* | R 861 | R 596 | R -77 | NA | 214 | R 1,165 | R 47 |
| | October** | 863 | 533 | -174 | NA | NA | 1,019 | 50 |
| | Average | 867 | 694 | -11 | NA | NA | 1,378 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

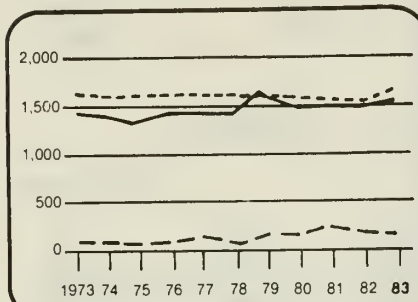
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

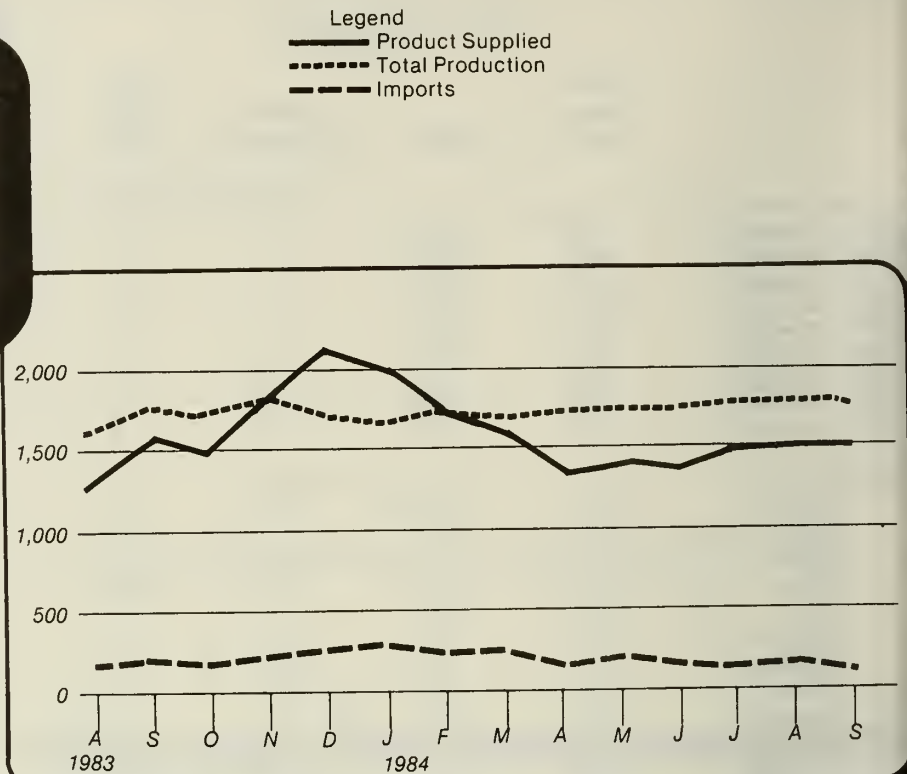
Source: See the last page of this section.

Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels Per Day)

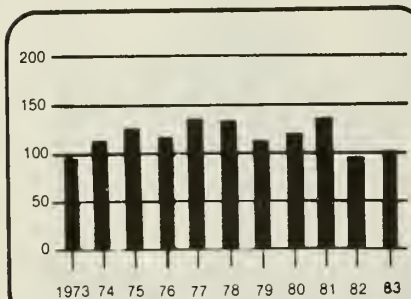


Annual



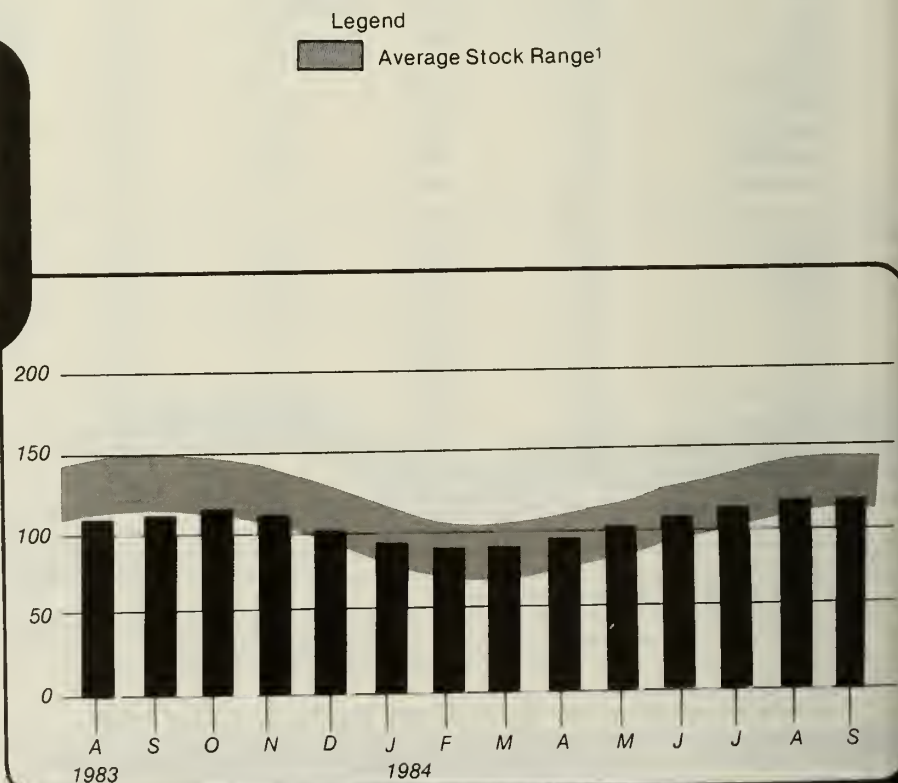
Liquefied Petroleum Gases Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Ranges for liquefied petroleum gas based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Liquefied Petroleum Gases¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|------------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 1,600 | 132 | -35 | 220 | 27 | 1,449 | 99 |
| 1974 | Average | 1,565 | 123 | -38 | 220 | 25 | 1,406 | ⁴ 113 |
| 1975 | Average | 1,527 | 112 | ⁴ -35 | 246 | 26 | 1,333 | 125 |
| 1976 | Average | 1,535 | 130 | 24 | 260 | 25 | 1,404 | 116 |
| 1977 | Average | 1,566 | 161 | -55 | 233 | 18 | 1,422 | 136 |
| 1978 | Average | 1,537 | 123 | 12 | 239 | 20 | 1,413 | 132 |
| 1979 | Average | 1,556 | 217 | 70 | 236 | 15 | 1,592 | 111 |
| 1980 | Average | 1,535 | 216 | -27 | 233 | 21 | 1,469 | ⁴ 120 |
| 1981 | Average | 1,571 | 244 | ⁴ -18 | 289 | 42 | 1,466 | 135 |
| 1982 | January | 1,565 | 314 | 443 | 391 | 67 | 1,863 | 121 |
| | February | 1,466 | 291 | 243 | 327 | 51 | 1,621 | 114 |
| | March | 1,544 | 223 | 211 | 289 | 74 | 1,615 | 108 |
| | April | 1,506 | 188 | 98 | 257 | 77 | 1,458 | 105 |
| | May | 1,565 | 186 | -71 | 234 | 43 | 1,403 | 107 |
| | June | 1,515 | 192 | -86 | 262 | 106 | 1,254 | 109 |
| | July | 1,476 | 227 | -13 | 253 | 37 | 1,399 | 110 |
| | August | 1,511 | 125 | -45 | 254 | 61 | 1,276 | 111 |
| | September | 1,538 | 247 | 37 | 274 | 85 | 1,463 | 110 |
| | October | 1,517 | 194 | 97 | 306 | 81 | 1,421 | 107 |
| | November | 1,542 | 267 | 175 | 363 | 37 | 1,583 | 102 |
| | December | 1,580 | 258 | 256 | 395 | 56 | 1,642 | ⁴ 94 |
| | Average | 1,528 | 226 | 111 | 300 | 65 | 1,499 | |
| 1983 | January | 1,611 | 240 | ⁴ 520 | 313 | 118 | 1,939 | 86 |
| | February | 1,600 | 305 | 128 | 244 | 76 | 1,713 | 82 |
| | March | 1,543 | 166 | -9 | 197 | 127 | 1,377 | 82 |
| | April | 1,607 | 124 | -156 | 198 | 116 | 1,260 | 87 |
| | May | 1,613 | 167 | -225 | 207 | 84 | 1,263 | 94 |
| | June | 1,664 | 172 | -334 | 203 | 59 | 1,241 | 104 |
| | July | 1,656 | 191 | -221 | 217 | 55 | 1,354 | 111 |
| | August | 1,586 | 160 | -199 | 229 | 29 | 1,289 | 117 |
| | September | 1,705 | 178 | -30 | 236 | 86 | 1,531 | 118 |
| | October | 1,688 | 160 | -81 | 268 | 32 | 1,467 | 120 |
| | November | 1,785 | 180 | 70 | 362 | 33 | 1,640 | 118 |
| | December | 1,645 | 247 | 575 | 363 | 66 | 2,038 | ⁴ 101 |
| | Average | 1,642 | 190 | 4 | 253 | 73 | 1,509 | |
| 1984 | January | 1,610 | 269 | ⁴ 470 | 333 | 23 | 1,993 | 93 |
| | February | 1,690 | 237 | 146 | 323 | 41 | 1,708 | 89 |
| | March | 1,685 | 241 | 12 | 289 | 68 | 1,581 | 89 |
| | April | 1,711 | 155 | -170 | 253 | 54 | 1,389 | 94 |
| | May | 1,709 | 211 | -221 | 244 | 42 | 1,412 | 101 |
| | June | 1,714 | 158 | -189 | 237 | 53 | 1,394 | 106 |
| | July | 1,750 | 132 | -138 | 232 | 43 | 1,469 | 111 |
| | August | 1,744 | 154 | -132 | 241 | 34 | 1,491 | 115 |
| | September* | 1,704 | 128 | -24 | 283 | 26 | 1,499 | 115 |
| | Average | 1,702 | 187 | -27 | 270 | 43 | 1,549 | |

¹ Includes ethane, propane, normal butane, and isobutane.

Beginning in January 1984, unfractionated stream is reported by individual product.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.5.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Other Petroleum Products¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|------------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 3,693 | 502 | -9 | 750 | 166 | 3,270 | 208 |
| 1974 | Average | 3,558 | 432 | -28 | 665 | 174 | 3,123 | ⁴ 218 |
| 1975 | Average | 3,424 | 277 | ⁴ -2 | 537 | 160 | 3,002 | 219 |
| 1976 | Average | 3,643 | 206 | -5 | 524 | 175 | 3,145 | 220 |
| 1977 | Average | 3,912 | 205 | -27 | 514 | 165 | 3,410 | 230 |
| 1978 | Average | 4,046 | 166 | 14 | 492 | 167 | 3,568 | 225 |
| 1979 | Average | 4,153 | 195 | -37 | 352 | 209 | 3,749 | 238 |
| 1980 | Average | 3,956 | 210 | -23 | 311 | 198 | 3,634 | ⁴ 247 |
| 1981 | Average | 3,739 | 226 | ⁴ 46 | 723 | 199 | 3,088 | 282 |
| | | | | | | | | |
| 1982 | January | 3,171 | 269 | -7 | 624 | 180 | 2,631 | 282 |
| | February | 3,403 | 305 | -153 | 663 | 138 | 2,755 | 287 |
| | March | 3,466 | 243 | -191 | 725 | 161 | 2,631 | 293 |
| | April | 3,408 | 309 | 73 | 796 | 204 | 2,790 | 290 |
| | May | 3,317 | 318 | 184 | 824 | 210 | 2,785 | 285 |
| | June | 3,547 | 315 | 123 | 812 | 216 | 2,954 | 281 |
| | July | 3,660 | 408 | -1 | 856 | 187 | 3,023 | 281 |
| | August | 3,583 | 346 | 217 | 743 | 202 | 3,201 | 274 |
| | September | 3,533 | 375 | 105 | 749 | 213 | 3,051 | 271 |
| | October | 3,529 | 383 | 244 | 915 | 266 | 2,976 | 264 |
| | November | 3,498 | 423 | -28 | 837 | 269 | 2,786 | 264 |
| | December | 3,324 | 313 | 366 | 885 | 275 | 2,842 | ⁴ 253 |
| | Average | 3,453 | 334 | 80 | 787 | 211 | 2,869 | |
| | | | | | | | | |
| 1983 | January | 3,194 | 322 | ⁴ -419 | 588 | 271 | 2,239 | 271 |
| | February | 3,229 | 321 | 12 | 673 | 232 | 2,658 | 270 |
| | March | 3,381 | 319 | -147 | 572 | 249 | 2,732 | 275 |
| | April | 3,299 | 404 | -24 | 592 | 247 | 2,840 | 276 |
| | May | 3,405 | 374 | 35 | 705 | 242 | 2,866 | 275 |
| | June | 3,610 | 444 | 96 | 717 | 292 | 3,144 | 272 |
| | July | 3,636 | 425 | 148 | 735 | 209 | 3,265 | 267 |
| | August | 3,695 | 482 | 30 | 668 | 242 | 3,297 | 266 |
| | September | 3,792 | 497 | -6 | 788 | 236 | 3,255 | 266 |
| | October | 3,578 | 424 | -107 | 711 | 195 | 2,990 | 270 |
| | November | 3,568 | 441 | 95 | 912 | 238 | 2,957 | 267 |
| | December | 3,123 | 479 | 361 | 883 | 257 | 2,823 | ⁴ 256 |
| | Average | 3,460 | 411 | 6 | 712 | 242 | 2,923 | |
| | | | | | | | | |
| 1984 | January | 3,391 | 486 | ⁴ -177 | 561 | 207 | 2,931 | 253 |
| | February | 3,582 | 586 | -256 | 751 | 225 | 2,935 | 261 |
| | March | 3,510 | 466 | -218 | 530 | 258 | 2,969 | 268 |
| | April | 3,584 | 582 | -207 | 627 | 268 | 3,063 | 274 |
| | May | 3,683 | 642 | -118 | 775 | 257 | 3,175 | 277 |
| | June | 3,863 | 521 | 404 | 1,229 | 343 | 3,213 | 265 |
| | July | 3,866 | 567 | 278 | 1,034 | 238 | 3,438 | 257 |
| | August | 3,855 | 561 | 24 | 648 | 172 | 3,621 | 256 |
| | September* | 3,768 | 539 | -51 | 712 | 238 | 3,306 | 258 |
| | Average | 3,678 | 550 | -35 | 762 | 245 | 3,185 | |

¹ Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.6.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Sources

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*.
2. 1977 through 1980: Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report*.
3. January 1981 through December 1983: EIA, *Petroleum Supply Annual*.
4. January 1984 through September 1984: Detailed statistics in appropriate issues of the *Petroleum Supply Monthly*. (See Explanatory Notes 9.1 through 9.6).
5. October 1984: Estimates based on EIA weekly data (except domestic crude oil production) (see Explanatory Note 1.1).
6. January 1984 through October 1984: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies and the U.S. Geological Survey. (See Explanatory Note 3).

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Detailed Statistics



— 200 —

Table 1. U.S. Petroleum Balance, September 1984

| | Current Month | | Year-to-date | |
|---|------------------|--------------------------|------------------|--------------------------|
| | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| Crude Oil (Including Lease Condensate) | | | | |
| Field Production | | | | |
| (1) Alaska | E 51,750 | 1,725 | E 479,522 | 1,750 |
| (2) Lower 48 States | E 211,017 | 7,034 | E 1,913,250 | 6,983 |
| (3) Total U.S. | E 262,767 | 8,759 | E 2,392,772 | 8,733 |
| Net Imports | | | | |
| (4) Imports (Gross Excluding SPR) | 97,208 | 3,240 | 872,970 | 3,186 |
| (5) SPR Imports | 1,599 | 53 | 52,584 | 192 |
| (6) Exports | 4,846 | 162 | 50,065 | 183 |
| (7) Imports (Net Including SPR) | 93,961 | 3,132 | 875,489 | 3,195 |
| Other Sources | | | | |
| (8) SPR Withdrawal (+) or Addition (-) | - 1,602 | - 53 | - 51,980 | - 190 |
| (9) Other Stock Withdrawal (+) or Addition (-) | 9,588 | 320 | 17,845 | 65 |
| (10) Product Supplied and Losses | - 1,920 | - 64 | - 17,554 | - 64 |
| (11) Unaccounted for 1 | 7,016 | 234 | 96,537 | 352 |
| (12) Total Other Sources | 13,082 | 436 | 44,848 | 164 |
| (13) Crude Input to Refineries | 369,810 | 12,327 | 3,313,109 | 12,092 |
| (13) = (3) + (7) + (12) | | | | |
| Natural Gas Plant Liquids (NGPL) | | | | |
| (14) Field Production | 49,977 | 1,666 | 445,030 | 1,624 |
| (15) Net Imports 2 | 1,914 | 64 | 11,603 | 42 |
| (16) Stock Withdrawal (+) or Addition (-) 2 | 733 | 24 | - 1,050 | - 4 |
| (17) Total NGPL Supply | 52,624 | 1,754 | 455,583 | 1,663 |
| Other Liquids | | | | |
| Unfinished Oils and Gasoline Blending Components, Total | | | | |
| (18) Stock Withdrawal (+) or Addition (-) | - 4,118 | - 137 | - 4,216 | - 15 |
| (19) Imports | 9,207 | 307 | 84,386 | 308 |
| (20) Other Hydrocarbons and Alcohol New Supply (Field Production) | 1,186 | 40 | 12,788 | 47 |
| (21) Refinery Processing Gain 1 | 17,235 | 575 | 151,282 | 552 |
| (22) Crude Oil Product Supplied | 1,993 | 66 | 17,284 | 63 |
| (23) Total Other Liquids | 25,503 | 850 | 261,524 | 954 |
| (23) = (18) through (22) | | | | |
| (24) Total Production of Products 3 | 447,937 | 14,931 | 4,030,216 | 14,709 |
| (24) = (13) + (17) + (23) | | | | |
| Net Imports of Refined Products 3 | | | | |
| (25) Imports (Gross) | 45,273 | 1,509 | 450,460 | 1,644 |
| (26) Exports | 15,069 | 502 | 138,598 | 506 |
| (27) Imports (Net) | 30,204 | 1,007 | 311,863 | 1,138 |
| (28) Total New Supply of Products | 478,141 | 15,938 | 4,342,078 | 15,847 |
| (28) = (24) + (27) | | | | |
| (29) Refined Products Stock Withdrawal (+) or Addition (-) 3 | - 18,703 | - 623 | - 21,681 | - 79 |
| (30) Total Petroleum Products Supplied for Domestic Use | 459,438 | 15,315 | 4,320,398 | 15,768 |
| (30) = (28) + (29) | | | | |
| (31) Finished Motor Gasoline | 198,405 | 6,614 | 1,834,592 | 6,696 |
| (32) Distillate Fuel Oil | 79,944 | 2,665 | 782,950 | 2,857 |
| (33) Residual Fuel Oil | 34,964 | 1,165 | 388,566 | 1,418 |
| (34) Liquefied Petroleum Gases | 44,966 | 1,499 | 424,292 | 1,549 |
| (35) Other 4 | 99,166 | 3,306 | 872,713 | 3,185 |
| (36) Crude Oil | 1,993 | 66 | 17,284 | 63 |
| (37) Total Product Supplied | 459,438 | 15,315 | 4,320,398 | 15,768 |
| (37) = (31) through (36) | | | | |
| Ending Stocks, All Oils | | | | |
| (38) Crude Oil and Lease Condensate (Excluding SPR) | 325,331 | -- | 325,331 | -- |
| (39) Strategic Petroleum Reserve (SPR) | 431,069 | -- | 431,069 | -- |
| (40) Unfinished Oils | 108,471 | -- | 108,471 | -- |
| (41) Gasoline Blending Components 5 | 40,765 | -- | 40,765 | -- |
| (42) Pentanes Plus | 9,815 | -- | 9,815 | -- |
| (43) Finished Refined Products 3 | 598,731 | -- | 598,731 | -- |
| (44) Total Stocks | 1,514,182 | -- | 1,514,182 | -- |

1 A balancing item.
2 Includes products in the pentanes plus category only.
3 For products included see Explanatory Note 9.7.
4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.
5 Includes other hydrocarbons and alcohol.
E = Estimated.
-- Not Applicable.
Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes 1, 2 and 9.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, September 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 262,767 | 0 | 98,807 | 7,986 | 7,016 | -73 | 369,810 | 4,846 | 1,993 | 756,400 |
| Natural Gas Liquids and LRGs | 49,863 | 10,545 | 5,746 | 20 | 0 | 0 | 15,864 | 787 | 49,524 | 125,106 |
| Pentanes Plus | 9,283 | 0 | 1,915 | 733 | 0 | 0 | 7,373 | 1 | 4,557 | 9,815 |
| Liquefied Petroleum Gases | 40,580 | 10,545 | 3,832 | -713 | 0 | 0 | 8,491 | 786 | 44,966 | 115,291 |
| Ethane | 15,634 | 592 | 553 | 454 | 0 | 0 | 52 | 2 | 17,179 | 20,318 |
| Propane | 15,947 | 8,479 | 1,722 | -1,835 | 0 | 0 | 98 | 614 | 23,600 | 64,080 |
| Normal Butane | 5,991 | 1,499 | 938 | 570 | 0 | 0 | 4,557 | 170 | 4,272 | 21,562 |
| Isobutane | 3,008 | -25 | 619 | 98 | 0 | 0 | 3,784 | 1 | -84 | 9,331 |
| Other Liquids | 1,186 | 0 | 9,207 | -4,118 | 0 | 0 | 13,987 | 0 | -7,712 | 149,236 |
| Other Hydrocarbons and Alcohol | 1,186 | 0 | 0 | -6 | 0 | 0 | 1,180 | 0 | 0 | 334 |
| Unfinished Oils | 0 | 0 | 6,630 | -2,415 | 0 | 0 | 9,989 | 0 | -5,774 | 108,471 |
| Motor Gasoline Blending Components | 0 | 0 | 2,576 | -1,592 | 0 | 0 | 2,922 | 0 | -1,938 | 40,115 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -105 | 0 | 0 | -104 | 0 | -1 | 316 |
| Finished Petroleum Products | 114 | 406,351 | 41,441 | -17,990 | 0 | 0 | 0 | 14,282 | 415,634 | 483,440 |
| Finished Motor Gasoline | 1 | 196,345 | 9,988 | -7,880 | 0 | 0 | 0 | 48 | 198,405 | 194,460 |
| Finished Leaded Motor Gasoline | 1 | 76,268 | 4,840 | -2,112 | 0 | 0 | 0 | 48 | 78,948 | 87,914 |
| Finished Unleaded Motor Gasoline | 0 | 120,077 | 5,148 | -5,768 | 0 | 0 | 0 | 0 | 119,457 | 106,546 |
| Finished Aviation Gasoline | 0 | 703 | 61 | -16 | 0 | 0 | 0 | 0 | 748 | 2,419 |
| Naphtha-Type Jet Fuel | 0 | 6,852 | 0 | 44 | 0 | 0 | 0 | 0 | 6,896 | 7,016 |
| Kerosene-Type Jet Fuel | 0 | 27,989 | 903 | 374 | 0 | 0 | 0 | 27 | 29,239 | 38,208 |
| Kerosene | 1 | 3,734 | 208 | -502 | 0 | 0 | 0 | 6 | 3,434 | 8,989 |
| Distillate Fuel Oil | 47 | 81,683 | 8,543 | -9,674 | 0 | 0 | 0 | 655 | 79,944 | 143,214 |
| Residual Fuel Oil | 0 | 25,827 | 17,866 | -2,299 | 0 | 0 | 0 | 6,430 | 34,964 | 46,971 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 3,388 | 1,297 | 27 | 0 | 0 | 0 | 111 | 4,602 | 1,850 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 5,326 | 0 | 143 | 0 | 0 | 0 | 646 | 4,823 | 1,609 |
| Special Naphthas | 0 | 1,734 | 1,083 | -227 | 0 | 0 | 0 | 34 | 2,557 | 2,841 |
| Lubricants | 0 | 5,266 | 376 | -276 | 0 | 0 | 0 | 370 | 4,996 | 12,520 |
| Waxes | 0 | 509 | 73 | -56 | 0 | 0 | 0 | 37 | 488 | 609 |
| Petroleum Coke | 0 | 13,300 | 0 | -188 | 0 | 0 | 0 | 5,884 | 7,228 | 4,957 |
| Asphalt and Road Oil | 0 | 15,471 | 1,001 | 2,445 | 0 | 0 | 0 | 4 | 18,912 | 15,903 |
| Still Gas | 0 | 16,919 | 0 | 0 | 0 | 0 | 0 | 0 | 16,919 | 0 |
| Miscellaneous Products | 65 | 1,305 | 43 | 95 | 0 | 0 | 0 | 30 | 1,479 | 1,874 |
| Total | 313,930 | 416,896 | 155,201 | -14,102 | 7,016 | -73 | 399,661 | 19,915 | 459,438 | 1,514,182 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 3. Year-to-Date Supply and Disposition of Crude Oil and Petroleum Products, January - September 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | |
|--|------------------|---------------------|-----------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 2,392,772 | 0 | 925,554 | -34,135 | 96,537 | 270 | 3,313,109 | 50,065 | 17,284 | 756,400 |
| Natural Gas Liquids and LRGs | 443,603 | 102,806 | 63,552 | -8,584 | 0 | 0 | 129,829 | 12,337 | 459,211 | 125,106 |
| Pentanes Plus | 80,095 | 0 | 12,252 | -1,050 | 0 | 0 | 55,729 | 649 | 34,919 | 9,815 |
| Liquefied Petroleum Gases | 363,508 | 102,806 | 51,300 | -7,534 | 0 | 0 | 74,100 | 11,688 | 424,292 | 115,291 |
| Ethane | 138,630 | 6,254 | 20,158 | 1,061 | 0 | 0 | 566 | 1,299 | 164,238 | 20,318 |
| Propane | 142,540 | 76,868 | 16,618 | -8,800 | 0 | 0 | 1,034 | 6,921 | 219,271 | 64,080 |
| Normal Butane | 55,432 | 19,879 | 8,775 | -1,173 | 0 | 0 | 39,923 | 2,818 | 40,172 | 21,562 |
| Isobutane | 26,906 | -195 | 5,748 | 1,378 | 0 | 0 | 32,577 | 649 | 611 | 9,331 |
| Other Liquids | 12,788 | 0 | 84,386 | -4,216 | 0 | 0 | 153,087 | 0 | -60,129 | 149,236 |
| Other Hydrocarbons and Alcohol | 12,788 | 0 | 0 | -49 | 0 | 0 | 12,739 | 0 | 0 | 334 |
| Unfinished Oils | 0 | 0 | 63,970 | -973 | 0 | 0 | 110,276 | 0 | -47,279 | 108,471 |
| Motor Gasoline Blending Components | 0 | 0 | 20,411 | -3,195 | 0 | 0 | 30,074 | 0 | -12,858 | 40,115 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | 1 | 0 | 0 | -2 | 0 | 9 | 316 |
| Finished Petroleum Products | 1,427 | 3,644,501 | 399,160 | -14,147 | 0 | 0 | 0 | 126,909 | 3,904,032 | 483,440 |
| Finished Motor Gasoline | 498 | 1,764,907 | 79,416 | -8,965 | 0 | 0 | 0 | 1,263 | 1,834,592 | 194,460 |
| Finished Leaded Motor Gasoline | 330 | 716,594 | 36,729 | 6,170 | 0 | 0 | 0 | 1,263 | 758,559 | 87,914 |
| Finished Unleaded Motor Gasoline | 168 | 1,048,313 | 42,687 | -15,135 | 0 | 0 | 0 | 0 | 1,076,033 | 106,546 |
| Finished Aviation Gasoline | 0 | 6,952 | 596 | -128 | 0 | 0 | 0 | 0 | 7,420 | 2,419 |
| Naphtha-Type Jet Fuel | 0 | 57,938 | 4,182 | -803 | 0 | 0 | 0 | 200 | 61,117 | 7,016 |
| Kerosene-Type Jet Fuel | 0 | 250,340 | 13,091 | -5,840 | 0 | 0 | 0 | 1,154 | 256,437 | 38,208 |
| Kerosene | 9 | 29,147 | 2,180 | -1,129 | 0 | 0 | 0 | 29 | 30,178 | 8,989 |
| Distillate Fuel Oil | 366 | 727,661 | 70,474 | -2,812 | 0 | 0 | 0 | 12,738 | 782,950 | 143,214 |
| Residual Fuel Oil | 0 | 237,642 | 195,256 | 2,137 | 0 | 0 | 0 | 46,468 | 388,566 | 46,971 |
| Naphtha < 400 Deg. for Petro. Feed, Use | 0 | 34,954 | 8,926 | -138 | 0 | 0 | 0 | 1,732 | 42,010 | 1,850 |
| Other Oils > 400 Deg. for Petro. Feed, Use | 0 | 69,539 | 0 | 148 | 0 | 0 | 0 | 4,114 | 65,573 | 1,609 |
| Special Naphthas | -50 | 15,291 | 16,073 | 312 | 0 | 0 | 0 | 648 | 30,977 | 2,841 |
| Lubricants | 0 | 44,651 | 2,854 | -445 | 0 | 0 | 0 | 4,172 | 42,888 | 12,520 |
| Waxes | 0 | 3,992 | 399 | 168 | 0 | 0 | 0 | 338 | 4,221 | 609 |
| Petroleum Coke | 0 | 120,886 | 0 | 524 | 0 | 0 | 0 | 53,609 | 67,801 | 4,957 |
| Asphalt and Road Oil | 0 | 109,406 | 2,680 | 2,889 | 0 | 0 | 0 | 153 | 114,823 | 15,903 |
| Still Gas | 0 | 155,199 | 0 | 0 | 0 | 0 | 0 | 0 | 155,199 | 0 |
| Miscellaneous Products | 604 | 15,996 | 3,035 | -65 | 0 | 0 | 0 | 290 | 19,280 | 1,874 |
| total | 2,850,590 | 3,747,307 | 1,472,652 | -61,082 | 96,537 | 270 | 3,596,025 | 189,312 | 4,320,398 | 1,514,182 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, September 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,759 | 0 | 3,294 | 266 | 234 | -2 | 12,327 | 162 | 66 |
| Natural Gas Liquids and LRGs | 1,662 | 352 | 192 | 1 | 0 | 0 | 529 | 26 | 1,651 |
| Pentanes Plus | 309 | 0 | 64 | 24 | 0 | 0 | 246 | (s) | 152 |
| Liquefied Petroleum Gases | 1,353 | 352 | 128 | -24 | 0 | 0 | 283 | 26 | 1,499 |
| Ethane | 521 | 18 | 20 | 15 | 0 | 0 | 2 | (s) | 573 |
| Propane | 532 | 283 | 57 | -61 | 0 | 0 | 3 | 20 | 787 |
| Normal Butane | 200 | 50 | 31 | 19 | 0 | 0 | 152 | 6 | 142 |
| Isobutane | 100 | -1 | 21 | 3 | 0 | 0 | 126 | (s) | -3 |
| Other Liquids | 40 | 0 | 307 | -137 | 0 | 0 | 466 | 0 | -257 |
| Other Hydrocarbons and Alcohol | 40 | 0 | 0 | (s) | 0 | 0 | 39 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 221 | -81 | 0 | 0 | 333 | 0 | -192 |
| Motor Gasoline Blending Components | 0 | 0 | 86 | -53 | 0 | 0 | 97 | 0 | -65 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -4 | 0 | 0 | -3 | 0 | (s) |
| Finished Petroleum Products | 4 | 13,545 | 1,381 | -600 | 0 | 0 | 0 | 476 | 13,854 |
| Finished Motor Gasoline | (s) | 6,545 | 333 | -263 | 0 | 0 | 0 | 2 | 6,614 |
| Finished Leaded Motor Gasoline | (s) | 2,542 | 161 | -70 | 0 | 0 | 0 | 2 | 2,632 |
| Finished Unleaded Motor Gasoline | 0 | 4,003 | 172 | -192 | 0 | 0 | 0 | 0 | 3,982 |
| Finished Aviation Gasoline | 0 | 23 | 2 | -1 | 0 | 0 | 0 | 0 | 25 |
| Naphtha-Type Jet Fuel | 0 | 228 | 0 | 1 | 0 | 0 | 0 | 0 | 230 |
| Kerosene-Type Jet Fuel | 0 | 933 | 30 | 12 | 0 | 0 | 0 | 0 | 975 |
| Kerosene | (s) | 124 | 7 | -17 | 0 | 0 | 0 | (s) | 114 |
| Distillate Fuel Oil | 2 | 2,723 | 285 | -322 | 0 | 0 | 0 | 22 | 2,665 |
| Residual Fuel Oil | 0 | 861 | 596 | -77 | 0 | 0 | 0 | 214 | 1,165 |
| Naphtha < 400 Deg. for Petro. Feed, Use | 0 | 113 | 43 | 1 | 0 | 0 | 0 | 4 | 153 |
| Other Oils > 400 Deg. for Petro. Feed, Use | 0 | 178 | 0 | 5 | 0 | 0 | 0 | 22 | 161 |
| Special Naphthas | 0 | 58 | 36 | -8 | 0 | 0 | 0 | 1 | 85 |
| Lubricants | 0 | 176 | 13 | -9 | 0 | 0 | 0 | 12 | 167 |
| Waxes | 0 | 17 | 2 | -2 | 0 | 0 | 0 | 1 | 16 |
| Petroleum Coke | 0 | 443 | 0 | -6 | 0 | 0 | 0 | 196 | 241 |
| Asphalt and Road Oil | 0 | 516 | 33 | 82 | 0 | 0 | 0 | (s) | 630 |
| Still Gas | 0 | 564 | 0 | 0 | 0 | 0 | 0 | 0 | 564 |
| Miscellaneous Products | 2 | 44 | 1 | 3 | 0 | 0 | 0 | 1 | 49 |
| Total | 10,464 | 13,897 | 5,173 | -470 | 234 | -2 | 13,322 | 664 | 15,315 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - September 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,733 | 0 | 3,378 | -125 | 352 | 1 | 12,092 | 183 | 63 |
| Natural Gas Liquids and LRGs | 1,619 | 375 | 232 | -31 | 0 | 0 | 474 | 45 | 1,676 |
| Pentanes Plus | 292 | 0 | 45 | -4 | 0 | 0 | 203 | 2 | 127 |
| Liquefied Petroleum Gases | 1,327 | 375 | 187 | -27 | 0 | 0 | 270 | 43 | 1,549 |
| Ethane | 506 | 23 | 74 | 4 | 0 | 0 | 2 | 5 | 599 |
| Propane | 520 | 281 | 61 | -32 | 0 | 0 | 4 | 25 | 800 |
| Normal Butane | 202 | 73 | 32 | -4 | 0 | 0 | 146 | 10 | 147 |
| Isobutane | 98 | -1 | 21 | 5 | 0 | 0 | 119 | 2 | 2 |
| Other Liquids | 47 | 0 | 308 | -15 | 0 | 0 | 559 | 0 | -219 |
| Other Hydrocarbons and Alcohol | 47 | 0 | 0 | (s) | 0 | 0 | 46 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 233 | -4 | 0 | 0 | 402 | 0 | -173 |
| Motor Gasoline Blending Components | 0 | 0 | 74 | -12 | 0 | 0 | 110 | 0 | -47 |
| Aviation Gasoline Blending Components | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 0 | (s) |
| Finished Petroleum Products | 5 | 13,301 | 1,457 | -52 | 0 | 0 | 0 | 463 | 14,248 |
| Finished Motor Gasoline | 2 | 6,441 | 290 | -33 | 0 | 0 | 0 | 5 | 6,696 |
| Finished Leaded Motor Gasoline | 1 | 2,615 | 134 | 23 | 0 | 0 | 0 | 5 | 2,768 |
| Finished Unleaded Motor Gasoline | 1 | 3,826 | 156 | -55 | 0 | 0 | 0 | 0 | 3,927 |
| Finished Aviation Gasoline | 0 | 25 | 2 | (s) | 0 | 0 | 0 | 0 | 27 |
| Naphtha-Type Jet Fuel | 0 | 211 | 15 | -3 | 0 | 0 | 0 | 1 | 223 |
| Kerosene-Type Jet Fuel | 0 | 914 | 48 | -21 | 0 | 0 | 0 | 4 | 936 |
| Kerosene | (s) | 106 | 8 | -4 | 0 | 0 | 0 | (s) | 110 |
| Distillate Fuel Oil | 1 | 2,656 | 257 | -10 | 0 | 0 | 0 | 46 | 2,857 |
| Residual Fuel Oil | 0 | 867 | 713 | 8 | 0 | 0 | 0 | 170 | 1,418 |
| Naphtha < 400 Deg. for Petro. Feed, Use | 0 | 128 | 33 | -1 | 0 | 0 | 0 | 6 | 153 |
| Other Oils > 400 Deg. for Petro. Feed, Use | 0 | 254 | 0 | 1 | 0 | 0 | 0 | 15 | 239 |
| Special Naphthas | (s) | 56 | 59 | 1 | 0 | 0 | 0 | 2 | 113 |
| Lubricants | 0 | 163 | 10 | -2 | 0 | 0 | 0 | 15 | 157 |
| Waxes | 0 | 15 | 1 | 1 | 0 | 0 | 0 | 1 | 15 |
| Petroleum Coke | 0 | 441 | 0 | 2 | 0 | 0 | 0 | 196 | 247 |
| Asphalt and Road Oil | 0 | 399 | 10 | 11 | 0 | 0 | 0 | 1 | 419 |
| Still Gas | 0 | 566 | 0 | 0 | 0 | 0 | 0 | 0 | 566 |
| Miscellaneous Products | 2 | 58 | 11 | (s) | 0 | 0 | 0 | 1 | 70 |
| Total | 10,404 | 13,676 | 5,375 | -223 | 352 | 1 | 13,124 | 691 | 15,768 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, September 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unac- counted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 1,722 | 0 | 28,643 | 3,706 | -844 | 1,857 | 0 | 35,084 | 0 | 0 | 12,412 |
| Natural Gas Liquids and LRGs | 919 | 989 | 1,255 | -707 | 0 | 3,023 | 0 | 187 | 26 | 5,266 | 4,230 |
| Liquefied Petroleum Gases | 785 | 989 | 521 | -702 | 0 | 3,023 | 0 | 146 | 26 | 4,444 | 4,182 |
| Pentanes Plus | 134 | 0 | 734 | -5 | 0 | 0 | 0 | 41 | 0 | 822 | 48 |
| Other Liquids | 19 | 0 | 1,767 | 126 | 0 | 570 | 0 | 2,050 | 0 | 432 | 17,989 |
| Other Hydrocarbons and Alcohol | 19 | 0 | 0 | -18 | 0 | 0 | 0 | 1 | 0 | 0 | 117 |
| Unfinished Oils | 0 | 0 | 623 | -548 | 0 | 396 | 0 | 848 | 0 | -377 | 12,444 |
| Motor Gasoline Blending Components | 0 | 0 | 1,144 | 692 | 0 | 174 | 0 | 1,201 | 174 | 809 | 5,428 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 0 | 37,956 | 33,656 | -10,066 | 0 | 65,556 | 0 | 0 | 709 | 126,394 | 165,204 |
| Finished Motor Gasoline | 0 | 17,852 | 8,332 | 359 | 0 | 39,138 | 0 | 0 | 8 | 65,674 | 59,471 |
| Finished Leaded Motor Gasoline | 0 | 5,895 | 3,887 | 671 | 0 | 12,281 | 0 | 0 | 8 | 22,726 | 25,713 |
| Finished Unleaded Motor Gasoline | 0 | 11,957 | 4,446 | -312 | 0 | 26,857 | 0 | 0 | 0 | 42,948 | 33,758 |
| Finished Aviation Gasoline | 0 | 11 | 61 | -1 | 0 | 247 | 0 | 0 | 0 | 318 | 382 |
| Naphtha-Type Jet Fuel | 0 | 505 | 0 | 186 | 0 | 333 | 0 | 0 | 0 | 1,024 | 821 |
| Kerosene-Type Jet Fuel | 0 | 1,382 | 829 | -239 | 0 | 9,209 | 0 | 0 | 0 | 11,181 | 9,441 |
| Kerosene | 0 | 96 | 208 | -240 | 0 | 279 | 0 | 0 | 6 | 337 | 3,867 |
| Distillate Fuel Oil | 0 | 7,580 | 7,978 | -8,368 | 0 | 14,828 | 0 | 0 | 109 | 21,908 | 57,549 |
| Residual Fuel Oil | 0 | 3,587 | 14,901 | -3,125 | 0 | 440 | 0 | 0 | 219 | 15,585 | 25,009 |
| Napththa and Other Oils for Petro. Feed. | 0 | 179 | 11 | 20 | 0 | -53 | 0 | 0 | 35 | 122 | 268 |
| Special Naphthas | 0 | 37 | 227 | -10 | 0 | 183 | 0 | 0 | 4 | 433 | 611 |
| Lubricants | 0 | 540 | 313 | 216 | 0 | 599 | 0 | 0 | 64 | 1,604 | 3,185 |
| Waxes | 0 | 80 | 29 | -2 | 0 | 5 | 0 | 0 | 4 | 108 | 82 |
| Petroleum Coke | 0 | 1,095 | 0 | 27 | 0 | 0 | 0 | 0 | 245 | 877 | 865 |
| Asphalt and Road Oil | 0 | 3,291 | 767 | 1,031 | 0 | 263 | 0 | 0 | 1 | 5,351 | 3,439 |
| Still Gas | 0 | 1,555 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,555 | 0 |
| Miscellaneous Products | 0 | 166 | (s) | 80 | 0 | 85 | 0 | 0 | 14 | 317 | 214 |
| Total | 2,660 | 38,945 | 65,322 | -6,941 | -844 | 71,006 | 0 | 37,321 | 735 | 132,092 | 199,835 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, September 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 31,332 | 0 | 13,045 | 4,370 | 36,734 | 19 | -42 | 85,108 | 434 | 0 | 70,218 |
| Natural Gas Liquids and LRGs | 10,245 | 2,235 | 2,463 | 965 | 0 | 1,929 | 0 | 4,704 | 13 | 13,120 | 36,494 |
| Liquefied Petroleum Gases | 8,784 | 2,235 | 2,463 | 233 | 0 | 1,560 | 0 | 2,813 | 12 | 12,450 | 33,642 |
| Pentanes Plus | 1,461 | 0 | 0 | 732 | 0 | 369 | 0 | 1,891 | 1 | 670 | 2,852 |
| Other Liquids | 137 | 0 | 271 | -2,224 | 0 | 374 | 0 | -1,447 | 0 | 5 | 26,700 |
| Other Hydrocarbons and Alcohol | 137 | 0 | 0 | 13 | 0 | 0 | 0 | 150 | 0 | 0 | 120 |
| Unfinished Oils | 0 | 0 | 271 | -1,486 | 0 | 344 | 0 | -1,207 | 0 | 336 | 18,482 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | -733 | 0 | 30 | 0 | -373 | 0 | -330 | 8,003 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -18 | 0 | 0 | 0 | -17 | 0 | -1 | 95 |
| Finished Petroleum Products | 16 | 89,652 | 948 | -2,814 | 0 | 25,885 | 0 | 0 | 286 | 113,401 | 126,183 |
| Finished Motor Gasoline | 0 | 49,069 | 319 | -3,476 | 0 | 17,016 | 0 | 0 | 1 | 62,928 | 58,916 |
| Finished Leaded Motor Gasoline | 0 | 20,205 | 253 | -934 | 0 | 8,443 | 0 | 0 | 1 | 27,967 | 28,348 |
| Finished Unleaded Motor Gasoline | 0 | 28,864 | 66 | -2,542 | 0 | 8,573 | 0 | 0 | 0 | 34,961 | 30,568 |
| Finished Aviation Gasoline | 0 | 141 | 0 | -88 | 0 | 123 | 0 | 0 | 0 | 176 | 609 |
| Naphtha-Type Jet Fuel | 0 | 886 | 0 | -16 | 0 | 141 | 0 | 0 | 0 | 1,011 | 1,466 |
| Kerosene-Type Jet Fuel | 0 | 4,381 | 0 | -541 | 0 | 1,946 | 0 | 0 | 0 | 5,786 | 9,875 |
| Kerosene | 0 | 775 | 0 | -210 | 0 | 96 | 0 | 0 | 0 | 661 | 2,417 |
| Distillate Fuel Oil | 0 | 19,275 | 382 | 649 | 0 | 6,181 | 0 | 0 | (s) | 26,487 | 38,610 |
| Residual Fuel Oil | 0 | 1,745 | 67 | 145 | 0 | -141 | 0 | 0 | 0 | 1,816 | 3,497 |
| Naphtha and Other Oils for Petro. Feed | 0 | 912 | 4 | 7 | 0 | 73 | 0 | 0 | 27 | 969 | 180 |
| Special Naphthas | 0 | 412 | 63 | -68 | 0 | 142 | 0 | 0 | 4 | 546 | 438 |
| Lubricants | 0 | 870 | 16 | 64 | 0 | 129 | 0 | 0 | 16 | 1,063 | 2,089 |
| Waxes | 0 | 45 | 12 | -15 | 0 | 0 | 0 | 0 | 1 | 41 | 72 |
| Petroleum Coke | 0 | 2,574 | 0 | 35 | 0 | 0 | 0 | 0 | 232 | 2,377 | 770 |
| Asphalt and Road Oil | 0 | 5,200 | 52 | 733 | 0 | 283 | 0 | 0 | 2 | 6,266 | 6,953 |
| Still Gas | 0 | 3,176 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,176 | 0 |
| Miscellaneous Products | 16 | 191 | 31 | -33 | 0 | -104 | 0 | 0 | 2 | 99 | 291 |
| Total | 41,730 | 91,887 | 16,726 | 297 | 36,734 | 28,207 | -42 | 88,365 | 732 | 126,526 | 259,595 |

¹ Unaccounted for crude oil is a balancing item.

(\$) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 8. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, September 1984
(Thousand Barrels)

| Commodity | Supply | | | Disposition | | | | | Ending Stocks | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 127,482 | 0 | 51,174 | -942 | -26,595 | 16,881 | -16 | 167,992 | (s) | 24 | 585,638 |
| Natural Gas Liquids and LRGs | 34,789 | 5,853 | 1,017 | -893 | 0 | -3,438 | 0 | 9,446 | 615 | 27,267 | 80,201 |
| Liquefied Petroleum Gases | 28,392 | 5,853 | 189 | -936 | 0 | -3,311 | 0 | 4,409 | 615 | 25,163 | 73,604 |
| Pentanes Plus | 6,397 | 0 | 828 | 43 | 0 | -127 | 0 | 5,037 | 0 | 2,104 | 6,597 |
| Other Liquids | 805 | 0 | 6,455 | -1,047 | 0 | -944 | 0 | 12,484 | 0 | -7,215 | 68,556 |
| Other Hydrocarbons and Alcohol | 805 | 0 | 0 | 0 | 0 | 0 | 0 | 805 | 0 | 0 | 91 |
| Unfinished Oils | 0 | 0 | 5,734 | 1,074 | 0 | -740 | 0 | 10,273 | 0 | -4,205 | 50,231 |
| Motor Gasoline Blending Components | 0 | 0 | 721 | -2,053 | 0 | -204 | 0 | 1,474 | 0 | -3,010 | 18,043 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -68 | 0 | 0 | 0 | -68 | 0 | 0 | 191 |
| Finished Petroleum Products | 96 | 192,337 | 5,229 | -7,421 | 0 | -94,078 | 0 | 0 | 5,961 | 90,202 | 128,798 |
| Finished Motor Gasoline | 1 | 91,672 | 516 | -4,547 | 0 | -57,784 | 0 | 0 | 37 | 29,821 | 51,725 |
| Finished Leaded Motor Gasoline | 1 | 34,395 | 211 | -1,983 | 0 | -21,531 | 0 | 0 | 37 | 11,056 | 22,397 |
| Finished Unleaded Motor Gasoline | 0 | 57,277 | 305 | -2,564 | 0 | -36,253 | 0 | 0 | 0 | 18,765 | 29,328 |
| Finished Aviation Gasoline | 0 | 263 | 0 | 111 | 0 | -397 | 0 | 0 | 0 | -23 | 734 |
| Naphtha-Type Jet Fuel | 0 | 3,461 | 0 | -173 | 0 | -655 | 0 | 0 | 0 | 2,633 | 2,714 |
| Kerosene-Type Jet Fuel | 0 | 14,014 | 0 | 556 | 0 | -11,841 | 0 | 0 | 0 | 2,729 | 12,867 |
| Kerosene | 1 | 2,779 | 0 | -133 | 0 | -375 | 0 | 0 | (s) | 2,271 | 2,448 |
| Distillate Fuel Oil | 47 | 39,523 | 1 | -1,930 | 0 | -21,150 | 0 | 0 | 461 | 16,030 | 32,527 |
| Residual Fuel Oil | 0 | 10,369 | 2,547 | -628 | 0 | -299 | 0 | 0 | 2,327 | 9,662 | 9,938 |
| Naphtha and Other Oils for Petro. Feed | 0 | 7,282 | 1,282 | 138 | 0 | -20 | 0 | 0 | 480 | 8,202 | 2,841 |
| Special Naphthas | 0 | 1,171 | 773 | -173 | 0 | -325 | 0 | 0 | 25 | 1,422 | 1,532 |
| Lubricants | 0 | 3,518 | 27 | -612 | 0 | -700 | 0 | 0 | 257 | 1,976 | 6,113 |
| Waxes | 0 | 258 | 28 | -27 | 0 | -5 | 0 | 0 | 27 | 404 | 227 |
| Petroleum Coke | 0 | 5,708 | 0 | -254 | 0 | 0 | 0 | 0 | 2,337 | 3,117 | 1,498 |
| Asphalt and Road Oil | 0 | 3,460 | 44 | 268 | 0 | -546 | 0 | 0 | 0 | 3,225 | 2,585 |
| Still Gas | 0 | 8,101 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 8,101 | 0 |
| Miscellaneous Products | 47 | 758 | 11 | -17 | 0 | 19 | 0 | 0 | 9 | 808 | 972 |
| Total | 163,172 | 198,190 | 63,875 | -10,303 | -26,595 | -81,579 | -16 | 189,922 | 6,576 | 110,278 | 863,193 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 9. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, September 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | Ending Stocks |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 17,028 | 0 | 999 | -245 | -4,532 | 0 | 0 | 13,246 | 0 | 4 |
| Natural Gas Liquids and LRGs | 2,814 | 121 | 369 | 768 | 0 | -1,514 | 0 | 500 | 7 | 2,051 |
| Liquefied Petroleum Gases | 2,007 | 121 | 329 | 800 | 0 | -1,272 | 0 | 356 | 7 | 1,622 |
| Pentanes Plus | 807 | 0 | 39 | -32 | 0 | -242 | 0 | 144 | 0 | 428 |
| Other Liquids | 0 | 0 | 0 | -163 | 0 | 0 | 0 | -433 | 0 | 270 |
| Other Hydrocarbons and Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | -234 | 0 | 0 | 0 | -489 | 0 | 255 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 71 | 0 | 0 | 0 | 56 | 0 | 15 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 2 | 13,380 | 144 | 503 | 0 | 158 | 0 | 0 | 7 | 14,181 |
| Finished Motor Gasoline | 0 | 6,861 | 50 | 106 | 0 | 145 | 0 | 0 | 0 | 7,162 |
| Finished Lead Motor Gasoline | 0 | 3,923 | 50 | 212 | 0 | -58 | 0 | 0 | 0 | 4,127 |
| Finished Unleaded Motor Gasoline | 0 | 2,938 | 1 | -106 | 0 | 203 | 0 | 0 | 0 | 3,036 |
| Finished Aviation Gasoline | 0 | 23 | 0 | -2 | 0 | 27 | 0 | 0 | 0 | 48 |
| Naphtha-Type Jet Fuel | 0 | 477 | 0 | -28 | 0 | -179 | 0 | 0 | 0 | 270 |
| Kerosene-Type Jet Fuel | 0 | 590 | 0 | 101 | 0 | 473 | 0 | 0 | 0 | 764 |
| Kerosene | 0 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 31 |
| Distillate Fuel Oil | 0 | 3,404 | 78 | 165 | 0 | -308 | 0 | 0 | 0 | 3,346 |
| Residual Fuel Oil | 0 | 307 | 7 | -7 | 0 | 0 | 0 | 0 | 0 | 539 |
| Naphtha and Other Oils for Petro. Feed | 0 | 2 | 0 | -2 | 0 | 0 | 0 | 0 | 1 | -1 |
| Special Naphthas | 0 | 4 | (s) | -2 | 0 | 0 | 0 | 0 | 0 | 2 |
| Lubricants | 0 | 30 | (s) | -2 | 0 | 0 | 0 | 0 | 2 | 69 |
| Waxes | 0 | 50 | 0 | -12 | 0 | 0 | 0 | 0 | 0 | 38 |
| Petroleum Coke | 0 | 209 | 0 | -10 | 0 | 0 | 0 | 0 | 3 | 196 |
| Asphalt and Road Oil | 0 | 905 | 8 | 193 | 0 | 0 | 0 | 0 | (s) | 1,106 |
| Still Gas | 0 | 461 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 461 |
| Miscellaneous Products | 2 | 53 | 0 | -3 | 0 | 0 | 0 | 0 | 0 | 52 |
| Total | 19,844 | 13,501 | 1,512 | 863 | -4,532 | -1,356 | 0 | 13,313 | 14 | 16,505 |
| Total | | | | | | | | | | 30,178 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 10. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, September 1984
(Thousand Barrels)

| (Thousand Barrels) | | | | | | | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | 85,203 | 0 | 4,946 | 1,097 | 2,253 | -18,757 | -15 | 68,380 | 4,412 | 1,965 | 74,799 |
| Natural Gas Liquids and LRGs | 1,096 | 1,347 | 643 | -113 | 0 | 0 | 0 | 1,027 | 126 | 1,820 | 2,895 |
| Liquefied Petroleum Gases | 612 | 1,347 | 330 | -108 | 0 | 0 | 0 | 767 | 126 | 1,288 | 2,843 |
| Pentanes Plus | 484 | 0 | 313 | -5 | 0 | 0 | 0 | 260 | 0 | 532 | 52 |
| Other Liquids | 225 | 0 | 714 | -810 | 0 | 0 | 0 | 1,333 | 0 | -1,204 | 31,765 |
| Other Hydrocarbons and Alcohol | 225 | 0 | 0 | -1 | 0 | 0 | 0 | 224 | 0 | 0 | 6 |
| Unfinished Oils | 0 | 0 | 2 | -1,221 | 0 | 0 | 0 | 564 | 0 | -1,783 | 24,622 |
| Motor Gasoline Blending Components | 0 | 0 | 712 | 431 | 0 | 0 | 0 | 564 | 0 | 579 | 7,107 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -19 | 0 | 0 | 0 | -19 | 0 | 0 | 30 |
| Finished Petroleum Products | 0 | 73,026 | 1,463 | 1,808 | 0 | 2,479 | 0 | 0 | 7,320 | 71,456 | 51,922 |
| Finished Motor Gasoline | 0 | 30,891 | 770 | -322 | 0 | 1,485 | 0 | 0 | 3 | 32,821 | 19,649 |
| Finished Leaded Motor Gasoline | 0 | 11,850 | 438 | -78 | 0 | 865 | 0 | 0 | 3 | 13,073 | 8,759 |
| Finished Unleaded Motor Gasoline | 0 | 19,041 | 331 | -244 | 0 | 620 | 0 | 0 | 0 | 19,748 | 10,890 |
| Finished Aviation Gasoline | 0 | 265 | 0 | -36 | 0 | 0 | 0 | 0 | 0 | 229 | 644 |
| Naphtha-Type Jet Fuel | 0 | 1,523 | 0 | 75 | 0 | 360 | 0 | 0 | 0 | 1,958 | 1,659 |
| Kerosene-Type Jet Fuel | 0 | 7,622 | 74 | 497 | 0 | 213 | 0 | 0 | 27 | 8,379 | 5,261 |
| Kerosene | 0 | 80 | 0 | 75 | 0 | 0 | 0 | 0 | (s) | 155 | 226 |
| Distillate Fuel Oil | 0 | 11,901 | 103 | -190 | 0 | 449 | 0 | 0 | 85 | 12,178 | 11,182 |
| Residual Fuel Oil | 0 | 9,819 | 344 | 1,316 | 0 | 0 | 0 | 0 | 3,885 | 7,594 | 8,088 |
| Naphtha and Other Oils for Petro. Feed | 0 | 339 | 0 | 7 | 0 | 0 | 0 | 0 | 213 | 133 | 163 |
| Special Naphthas | 0 | 110 | 19 | 26 | 0 | 0 | 0 | 0 | 1 | 154 | 251 |
| Lubricants | 0 | 308 | 20 | 58 | 0 | -28 | 0 | 0 | 30 | 327 | 1,064 |
| Waxes | 0 | 76 | 3 | 0 | 0 | 0 | 0 | 0 | 5 | 74 | 39 |
| Petroleum Coke | 0 | 3,714 | 0 | 14 | 0 | 0 | 0 | 0 | 3,067 | 661 | 1,655 |
| Asphalt and Road Oil | 0 | 2,615 | 130 | 220 | 0 | 0 | 0 | 0 | (s) | 2,965 | 1,668 |
| Still Gas | 0 | 3,626 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,626 | 0 |
| Miscellaneous Products | 0 | 137 | 1 | 68 | 0 | 0 | 0 | 0 | 4 | 202 | 373 |
| Total | 86,524 | 74,373 | 7,766 | 1,982 | 2,253 | -16,278 | -15 | 70,740 | 11,858 | 74,037 | 161,381 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 11. Production of Crude Oil (including Lease Condensate) by PAD District and State, for the Most Currently Available Month,¹ July 1984
(Thousand Barrels)

| PAD District and State | | Production | | PAD District and State | | Production | |
|--|-----------|------------|---------------|--|---------------|------------|---------|
| | | Total | Daily Average | Total | Daily Average | | |
| PAD District I | | | | | | | |
| Florida | 1,143 | 37 | E 78 | PAD District IV | | | |
| New York | E 71 | E 2 | E 76 | Colorado | E 2,430 | E 2,430 | E 78 |
| Pennsylvania | E 363 | E 12 | E 88 | Montana | E 2,347 | E 2,347 | E 76 |
| Virginia | E 6 | E 0 | E 326 | Utah | E 2,728 | E 2,728 | E 88 |
| West Virginia | 309 | 10 | E 569 | Wyoming | E 10,118 | E 10,118 | E 326 |
| Adjustment 2 | -41 | -1 | (S) | Adjustment 2 | 1 | 1 | (S) |
| Total PAD District I | E 1,851 | E 60 | E 569 | Total PAD District IV | E 17,624 | E 17,624 | E 569 |
| PAD District II | | | | | | | |
| Illinois | 2,470 | 80 | 60 | PAD District V | | | |
| Indiana | 454 | 15 | 1,634 | Alaska | 1,871 | 1,871 | 60 |
| Kansas | 6,294 | 203 | 1,634 | South Alaska | 50,658 | 50,658 | 1,634 |
| Kentucky | 669 | 22 | 74 | North Slope | 2,307 | 2,307 | 74 |
| Michigan | 2,588 | 83 | 1,769 | Adjustment for Alaska ² | 54,836 | 54,836 | 1,769 |
| Missouri | E 22 | E 1 | 1 | Total Alaska | 18 | 18 | 1 |
| Nebraska | 538 | 17 | 214 | Arizona | 6,634 | 6,634 | 214 |
| North Dakota | 4,526 | 146 | 693 | California | 21,484 | 21,484 | 693 |
| Ohio | E 1,271 | E 41 | (S) | Central Coastal | 15 | 15 | (S) |
| Oklahoma | 14,519 | 468 | 217 | East Central | 6,722 | 6,722 | 217 |
| South Dakota | 114 | 4 | 1,124 | North | 34,855 | 34,855 | 1,124 |
| Tennessee | 80 | 3 | 5 | South | 150 | 150 | 5 |
| Adjustment 2 | -1,138 | -37 | -14 | Total California | -436 | -436 | -14 |
| Total PAD District II | E 32,407 | E 1,045 | 2,885 | Nevada | 89,423 | 89,423 | 2,885 |
| PAD District III | | | | United States Total | | | |
| Alabama | 1,753 | 57 | E 8,769 | Alaska: State - 1,656; | E 271,843 | E 271,843 | E 8,769 |
| Arkansas | E 1,600 | E 52 | | California: Federal - 2,662; State - 3,458; | | | |
| Louisiana | E 40,842 | E 1,317 | | Louisiana: Federal - E27,975; State - 2,264; | | | |
| Gulf Coast | 2,699 | 87 | | Texas: Federal - E1,745; State- 138; | | | |
| Rest of State | E 43,541 | E 1,405 | | U.S. Total - E39,898 | | | |
| Total Louisiana | 2,855 | 92 | | ² These adjustments are used to reconcile the national and PAD level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PAD level figures published in a previous issue. Final data at the State, PAD District and national levels will be published without adjustments in the Petroleum Supply Annual. | | | |
| Mississippi | | | | (S) = Less than 500 barrels. | | | |
| New Mexico | 582 | 19 | | Note: Total may not equal sum of components due to independent rounding. | | | |
| Northwestern | 6,043 | 195 | | Source: See Explanatory Notes on Data Collection and Estimation. | | | |
| Southeastern | 6,625 | 214 | | E = Estimated. | | | |
| Total New Mexico | | | | | | | |
| Texas | | | | | | | |
| TRRC District 01 | 2,169 | 70 | | | | | |
| TRRC District 02 | 3,370 | 109 | | | | | |
| TRRC District 03 | E 10,404 | E 336 | | | | | |
| TRRC District 04 | 2,571 | 83 | | | | | |
| TRRC District 05 | 642 | 21 | | | | | |
| TRRC District 06, excluding East Texas | 3,638 | 117 | | | | | |
| TRRC District 07B | 3,036 | 98 | | | | | |
| TRRC District 07C | 3,025 | 98 | | | | | |
| TRRC District 08 | 19,685 | 635 | | | | | |
| TRRC District 08A | 18,191 | 587 | | | | | |
| TRRC District 09 | 3,410 | 110 | | | | | |
| TRRC District 10 | 1,847 | 60 | | | | | |
| East Texas | 4,139 | 134 | | | | | |
| Total Texas | 76,127 | 2,456 | | | | | |
| Adjustment 2 | -1,963 | -63 | | | | | |
| Total PAD District III | E 130,538 | E 4,211 | | | | | |

See footnotes at end of table.

Table 12. Natural Gas Processing Plant Production of Petroleum Products by PAD District,¹ September 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | PAD District V | | |
|--|----------------|----------------|-------|-----------------|-----------------|--------------------|------------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|----------------|--------------------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | Dist. V West Coast | United States |
| | | | | | | | | | | | | | | | | | |
| Natural Gas Liquids | 402 | 517 | 919 | 1 | 1,774 | 508 | 7,962 | 10,245 | 19,885 | 2,816 | 7,189 | 662 | 4,237 | 34,789 | 2,814 | 1,096 | 49,863 |
| Pentanes Plus | 68 | 66 | 134 | 0 | 229 | 123 | 1,109 | 1,461 | 3,703 | 334 | 1,289 | 208 | 863 | 6,397 | 807 | 484 | 9,283 |
| Liquefied Petroleum Gases | 334 | 451 | 785 | 1 | 1,545 | 385 | 6,853 | 8,784 | 16,182 | 2,482 | 5,900 | 454 | 3,374 | 28,392 | 2,007 | 612 | 40,580 |
| Ethane | 103 | 140 | 243 | 0 | 545 | 2 | 3,202 | 3,749 | 6,428 | 1,147 | 2,663 | 70 | 1,035 | 11,343 | 297 | 2 | 15,634 |
| Propane | 139 | 208 | 347 | 1 | 633 | 213 | 2,459 | 3,306 | 6,162 | 1,066 | 1,991 | 198 | 1,381 | 10,798 | 1,137 | 359 | 15,947 |
| Normal Butane | 73 | 74 | 147 | 0 | 203 | 139 | 751 | 1,093 | 2,588 | 104 | 654 | 131 | 656 | 4,133 | 439 | 179 | 5,991 |
| Isobutane | 19 | 29 | 48 | 0 | 164 | 31 | 441 | 636 | 1,004 | 165 | 592 | 55 | 302 | 2,118 | 134 | 72 | 3,008 |
| Finished Petroleum Products | 0 | 0 | 0 | 0 | 1 | 0 | 15 | 16 | 35 | 47 | 4 | 3 | 7 | 96 | 2 | 0 | 114 |
| Finished Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Finished Leaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Finished Unleaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Distillate Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 47 | 0 | 0 | 47 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 1 | 0 | 15 | 16 | 33 | 0 | 4 | 3 | 7 | 47 | 2 | 0 | 65 |
| Total Production | 402 | 517 | 919 | 1 | 1,775 | 508 | 7,977 | 10,261 | 19,920 | 2,863 | 7,193 | 665 | 4,244 | 34,885 | 2,816 | 1,096 | 49,977 |

¹ Production represents quantity of natural gas processing plant output less input to fractionating facilities.
Source: See Explanatory Notes on Data Collection and Estimation.

4

1 Represents gross input divided by operable capacity.
Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 14. Refinery Production of Petroleum Products by PAD District, September 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | Total | | New Mexico | | PAD District IV | | United States | |
|--|----------------|-------------|--------|-----------------|-----------------|--------------------|------------------|--------------|------------------|----------------|--------------|-------|-------|------------|--------|-----------------|------------|---------------|--|
| | East Coast | Appalachian | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La. Ark. | Total | | | | Rocky Mt. | West Coast | | |
| Liquefied Refinery Gases | 961 | 28 | 989 | 36 | 1,671 | 231 | 297 | 32 | 2,863 | 2,843 | 44 | 71 | 5,853 | 121 | 1,347 | 10,545 | | | |
| For Petrochemical Feedstock Use | 224 | 0 | 224 | 0 | 178 | 2 | 66 | 246 | 30 | 1,366 | 6 | 0 | 2,940 | 5 | 163 | 3,578 | | | |
| For Other Uses | 737 | 28 | 765 | 36 | 1,493 | 229 | 231 | 1,989 | 2 | 1,497 | 38 | 71 | 2,913 | 116 | 1,184 | 6,967 | | | |
| Ethane | 23 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 553 | 16 | 0 | 569 | 0 | 0 | 592 | | | |
| For Petrochemical Feedstock Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 314 | 1 | 0 | 315 | 0 | 0 | 315 | | | |
| For Other Uses | 23 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 15 | 0 | 254 | 0 | 0 | 277 | | | |
| Propane | 827 | 28 | 855 | 36 | 1,661 | 229 | 493 | 190 | 2,507 | 1,370 | 33 | 48 | 4,148 | 126 | 931 | 8,479 | | | |
| For Petrochemical Feedstock Use | 223 | 0 | 223 | 0 | 178 | 0 | 66 | 244 | 30 | 1,101 | 253 | 0 | 1,384 | 0 | 150 | 2,001 | | | |
| For Other Uses | 604 | 28 | 632 | 36 | 1,483 | 229 | 427 | 2,175 | 160 | 1,117 | 33 | 48 | 2,764 | 126 | 781 | 6,478 | | | |
| Normal Butane | 111 | 0 | 111 | 0 | 10 | 0 | -196 | -186 | -158 | 1,457 | 11 | 23 | 1,166 | -8 | 416 | 1,499 | | | |
| For Petrochemical Feedstock Use | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1,271 | 2 | 13 | 1,287 | 2 | 13 | 1,287 | | | |
| For Other Uses | 110 | 0 | 110 | 0 | 10 | 0 | -196 | -186 | -158 | 1,457 | 11 | 23 | 1,166 | -8 | 416 | 1,499 | | | |
| Isobutane for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | -30 | 0 | 0 | -30 | 0 | 0 | -25 | | | |
| Finished Motor Gasoline | 16,759 | 1,093 | 17,852 | 1,055 | 31,047 | 4,617 | 12,350 | 49,069 | 8,675 | 48,367 | 32,205 | 1,465 | 960 | 91,672 | 6,861 | 30,891 | 196,345 | | |
| Finished Leaded Motor Gasoline | 5,451 | 444 | 5,895 | 415 | 11,077 | 2,247 | 6,466 | 20,205 | 4,289 | 16,772 | 11,852 | 989 | 493 | 34,395 | 3,923 | 11,850 | 76,268 | | |
| Finished Unleaded Motor Gasoline | 11,308 | 649 | 11,957 | 640 | 19,970 | 2,370 | 5,884 | 28,864 | 4,386 | 31,595 | 20,353 | 476 | 467 | 57,277 | 2,938 | 19,041 | 120,077 | | |
| Finished Aviation Gasoline | 11 | 0 | 11 | 0 | 116 | 0 | 25 | 141 | -49 | 196 | 116 | 0 | 0 | 263 | 23 | 265 | 703 | | |
| Naphtha-Type Jet Fuel | 476 | 29 | 505 | 77 | 439 | 108 | 262 | 886 | 913 | 1,297 | 755 | 167 | 329 | 3,461 | 477 | 1,523 | 6,852 | | |
| Kerosene-Type Jet Fuel | 1,382 | 0 | 1,382 | 10 | 3,001 | 430 | 940 | 4,381 | 1,058 | 5,845 | 7,081 | 8 | 22 | 14,014 | 590 | 7,622 | 27,989 | | |
| Kerosene | 58 | 38 | 96 | 98 | 649 | 48 | -20 | 775 | 10 | 1,529 | 1,258 | 12 | -30 | 2,779 | 4 | 80 | 3,734 | | |
| Distillate Fuel Oil | 6,765 | 815 | 7,580 | 439 | 10,336 | 2,185 | 5,715 | 19,275 | 3,723 | 21,072 | 12,626 | 1,725 | 377 | 39,523 | 3,404 | 11,901 | 81,683 | | |
| Residual Fuel Oil | 3,526 | 61 | 3,587 | 68 | 1,251 | 225 | 201 | 1,745 | 706 | 6,556 | 2,889 | 213 | 5 | 10,369 | 307 | 9,819 | 25,827 | | |
| Naphtha < 400 Deg. For Petro. Feed. Use | 171 | 0 | 171 | 0 | 636 | 0 | 102 | 738 | 98 | 2,107 | 121 | 17 | 0 | 2,343 | 0 | 136 | 3,388 | | |
| Other Oils > 400 Deg. For Petro. Feed. Use | 8 | 0 | 8 | 0 | 174 | 0 | 0 | 174 | 188 | 3,207 | 1,544 | 104 | 0 | 4,939 | 2 | 203 | 5,326 | | |
| Special Naphthas | 186 | 354 | 540 | 0 | 523 | 0 | 347 | 870 | 18 | 2,261 | 845 | 394 | 0 | 3,518 | 30 | 308 | 5,266 | | |
| Lubricants | 0 | 80 | 80 | 0 | 20 | 0 | 25 | 45 | 8 | 134 | 64 | 52 | 0 | 258 | 50 | 76 | 509 | | |
| Waxes | 1,077 | 18 | 1,095 | 27 | 1,701 | 268 | 578 | 2,574 | 266 | 3,113 | 2,254 | 64 | 11 | 5,708 | 209 | 3,714 | 13,300 | | |
| Petroleum Coke | 499 | 0 | 499 | 0 | 796 | 197 | 363 | 1,356 | 64 | 1,505 | 1,559 | 34 | 0 | 3,162 | 61 | 2,878 | 7,956 | | |
| Marketable | 578 | 18 | 596 | 27 | 905 | 71 | 215 | 1,218 | 202 | 1,608 | 695 | 30 | 11 | 2,546 | 148 | 836 | 5,344 | | |
| Catalyst | 3,186 | 105 | 3,291 | 113 | 3,007 | 1,245 | 835 | 5,200 | 556 | 441 | 1,256 | 1,089 | 118 | 3,460 | 905 | 2,615 | 15,471 | | |
| Asphalt and Road Oil | 1,433 | 122 | 1,555 | 52 | 2,165 | 283 | 676 | 3,176 | 451 | 4,860 | 2,590 | 150 | 50 | 8,101 | 461 | 3,626 | 16,919 | | |
| Still Gas | 228 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 0 | 546 | 237 | 0 | 0 | 783 | 2 | 108 | 1,121 | | |
| For Petrochemical Feedstock Use | 1,205 | 122 | 1,327 | 52 | 2,165 | 283 | 676 | 3,176 | 451 | 4,860 | 2,590 | 150 | 50 | 8,101 | 461 | 3,626 | 16,919 | | |
| For Other Uses | 114 | 52 | 166 | 3 | 77 | 24 | 87 | 191 | -1 | 476 | 243 | 40 | 0 | 758 | 53 | 1,305 | 15,798 | | |
| Miscellaneous Products | 6 | 25 | 31 | 0 | 0 | 0 | 4 | 4 | 0 | -15 | 184 | 0 | 0 | 169 | 16 | 13 | 233 | | |
| Fuel Use | 108 | 27 | 135 | 3 | 77 | 24 | 83 | 187 | -1 | 491 | 59 | 40 | 0 | 589 | 37 | 124 | 1,072 | | |
| Non-Fuel Use | | | | | | | | | | | | | | | | | | | |
| Total Production | 36,120 | 2,825 | 38,945 | 1,978 | 57,591 | 9,664 | 22,654 | 91,887 | 16,730 | 105,182 | 68,821 | 5,544 | 1,913 | 198,190 | 13,501 | 74,373 | 416,896 | | |
| Processing Gain(-) or Loss(+)¹ | -1,597 | -27 | -1,624 | -76 | -2,531 | -309 | -606 | -3,522 | 411 | -5,483 | -3,183 | 7 | -20 | -8,268 | -188 | -3,633 | -17,235 | | |

¹ Represents the arithmetic difference between input and output.

Note: See Explanatory Note 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 15. Percent Refinery Yield of Petroleum Products by PAD District, September 1984

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | | |
|--|----------------|----------------|-------|-----------------|-----------------|--------------------|------------------|------------------|--------------|------------------|----------------|-----------------|------------|---------------|-------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | | Total | Rocky Mt. | Dist. V West Coast |
| Finished Motor Gasoline ² | 46.4 | 38.4 | 45.8 | 51.8 | 54.6 | 47.7 | 52.0 | 53.1 | 45.0 | 45.6 | 45.5 | 23.9 | 46.4 | 44.8 | 49.4 | 42.2 | 46.4 |
| Finished Aviation Gasoline ³ | .0 | .0 | .0 | .0 | .2 | .0 | .1 | .2 | -.3 | .2 | .3 | .0 | .0 | .2 | .2 | .4 | .2 |
| Liquefied Refinery Gases | 2.9 | 1.0 | 2.8 | 2.0 | 3.2 | 2.5 | 1.5 | 2.7 | .2 | 3.0 | 4.6 | .8 | 4.1 | 3.3 | .9 | 2.0 | 2.8 |
| Naphtha-Type Jet Fuel | 1.4 | 1.0 | 1.4 | 4.4 | .8 | 1.2 | 1.3 | 1.1 | 5.9 | 1.4 | 1.2 | 3.1 | 18.9 | 1.9 | 3.7 | 2.2 | 1.8 |
| Kerosene-Type Jet Fuel | 4.2 | 0 | 3.8 | .6 | 5.7 | 4.7 | 4.7 | 5.2 | 6.9 | 6.2 | 11.5 | .1 | 1.3 | 7.9 | 4.6 | 11.1 | 7.4 |
| Kerosene | .2 | 1.4 | .3 | 5.6 | 1.2 | .5 | -.1 | .9 | .1 | 1.6 | 2.0 | .2 | -1.7 | 1.6 | .0 | .1 | 1.0 |
| Distillate Fuel Oil | 20.4 | 29.5 | 21.1 | 25.0 | 20.7 | 24.1 | 28.3 | 23.0 | 24.2 | 22.3 | 20.5 | 32.1 | 21.7 | 22.2 | 26.7 | 17.3 | 21.5 |
| Residual Fuel Oil | 10.6 | 2.2 | 10.0 | 3.9 | 2.4 | 2.5 | 1.0 | 2.1 | 4.6 | 7.0 | 4.7 | 4.0 | .3 | 5.8 | 2.4 | 14.2 | 6.8 |
| Naphtha < 400 Deg. F. Petro. Feed. Use | .5 | 0 | .5 | 0 | 1.2 | 0 | .5 | .9 | .6 | 2.2 | .2 | .3 | 0 | 1.3 | 0 | .2 | .9 |
| Other Oils > 400 Deg. F. Petro. Feed. Use | .0 | 0 | .0 | 0 | .3 | 0 | 0 | .2 | 1.2 | 3.4 | 2.5 | 0 | 0 | 2.8 | .0 | .3 | 1.4 |
| Special Naphthas | .0 | 1.1 | .1 | 0 | .3 | 0 | 1.2 | .5 | .5 | .9 | .2 | 1.9 | 0 | .7 | .0 | .2 | .5 |
| Lubricants | .6 | 12.8 | 1.5 | 0 | 1.0 | 0 | 1.7 | 1.0 | .1 | 2.4 | 1.4 | 7.3 | .0 | 2.0 | .2 | .4 | 1.4 |
| Waxes | .0 | 2.9 | .2 | 0 | .0 | 0 | .1 | .1 | 1.1 | .1 | .1 | 1.0 | 0 | .1 | .4 | .1 | .1 |
| Petroleum Coke | 3.2 | .7 | 3.0 | 1.5 | 3.2 | 3.0 | 2.9 | 3.1 | 1.7 | 3.3 | 3.7 | 1.2 | .6 | 3.2 | 1.6 | 5.4 | 3.5 |
| Asphalt and Road Oil | 9.6 | 3.8 | 9.2 | 6.4 | 5.7 | 13.7 | 4.1 | 6.2 | 3.6 | .5 | 2.0 | 20.3 | 6.8 | 1.9 | 7.1 | 3.8 | 4.1 |
| Still Gas | 4.3 | 4.4 | 4.3 | 3.0 | 4.1 | 3.1 | 3.3 | 3.8 | 2.9 | 5.2 | 4.2 | 2.8 | 2.9 | 4.5 | 3.6 | 5.3 | 4.5 |
| Miscellaneous Products | .3 | 1.9 | .5 | .2 | .1 | .3 | .4 | .2 | .0 | .5 | .4 | .7 | 0 | .4 | .4 | .2 | .3 |
| Processing Gain(-) or Loss(+) ⁴ | -4.8 | -1.0 | -4.5 | -4.3 | -4.8 | -3.4 | -3.0 | -4.2 | 2.7 | -5.8 | -5.2 | .1 | -1.1 | -4.6 | -1.5 | -5.3 | -4.5 |

¹ Based on crude oil input and net reruns of unfinished oils.

² Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.

³ Based on finished aviation gasoline output plus net output of aviation gasoline blending components.

⁴ Represents the difference between input and production.

Note: Total may not equal sum of components due to independent rounding.

Note: See Explanatory 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 16. Imports of Crude Oil and Petroleum Products by PAD District, September 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|--|--|---------------|---------------|--------------|--------------|----------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ^{1 2} | 28,643 | 13,045 | 51,174 | 999 | 4,946 | 98,807 |
| Natural Gas Liquids | 1,255 | 2,463 | 1,017 | 369 | 643 | 5,746 |
| Pentanes Plus | 734 | 0 | 828 | 39 | 313 | 1,915 |
| Liquefied Petroleum Gases | 521 | 2,463 | 189 | 329 | 330 | 3,832 |
| Ethane | 0 | 553 | 0 | 0 | 0 | 553 |
| Propane | 196 | 1,233 | 82 | 148 | 63 | 1,722 |
| Normal Butane | 195 | 406 | 68 | 109 | 161 | 938 |
| Isobutane | 130 | 271 | 39 | 73 | 107 | 619 |
| Other Liquids ¹ | 1,767 | 271 | 6,455 | 0 | 714 | 9,207 |
| Unfinished Oils ¹ | 623 | 271 | 5,734 | 0 | 2 | 6,630 |
| Motor Gasoline Blending Components | 1,144 | 0 | 721 | 0 | 712 | 2,576 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 33,656 | 948 | 5,229 | 144 | 1,463 | 41,441 |
| Finished Motor Gasoline | 8,332 | 319 | 516 | 50 | 770 | 9,988 |
| Finished Leaded Motor Gasoline | 3,887 | 253 | 211 | 50 | 438 | 4,840 |
| Finished Unleaded Motor Gasoline | 4,446 | 66 | 305 | 1 | 331 | 5,148 |
| Finished Aviation Gasoline | 61 | 0 | 0 | 0 | 0 | 61 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 829 | 0 | 0 | 0 | 74 | 903 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 829 | 0 | 0 | 0 | 74 | 903 |
| Kerosene | 208 | 0 | 0 | 0 | 0 | 208 |
| Distillate Fuel Oil | 7,978 | 382 | 1 | 78 | 103 | 8,543 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 7,978 | 382 | 1 | 78 | 103 | 8,543 |
| Residual Fuel Oil | 14,901 | 67 | 2,547 | 7 | 344 | 17,866 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 14,901 | 67 | 2,547 | 7 | 344 | 17,866 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 11 | 4 | 1,282 | 0 | 0 | 1,297 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 227 | 63 | 773 | (s) | 19 | 1,083 |
| Lubricants | 313 | 16 | 27 | (s) | 20 | 376 |
| Waxes | 29 | 12 | 28 | 0 | 3 | 73 |
| Asphalt and Road Oil | 767 | 52 | 44 | 8 | 130 | 1,001 |
| Miscellaneous Products | (s) | 31 | 11 | 0 | 1 | 43 |
| Total Imports | 65,322 | 16,726 | 63,875 | 1,512 | 7,766 | 155,201 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 17. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January - September 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|--|--|----------------|----------------|---------------|---------------|------------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ^{1 2} | 244,397 | 137,428 | 482,867 | 8,642 | 52,220 | 925,554 |
| Natural Gas Liquids | 12,295 | 36,661 | 5,577 | 4,295 | 4,724 | 63,552 |
| Pentanes plus | 8,111 | 0 | 2,425 | 894 | 823 | 12,252 |
| Liquefied Petroleum Gases | 4,184 | 36,661 | 3,152 | 3,401 | 3,901 | 51,300 |
| Ethane | 1 | 20,157 | 0 | 0 | 0 | 20,158 |
| Propane | 2,397 | 10,481 | 1,427 | 1,709 | 605 | 16,618 |
| Normal Butane | 1,072 | 3,614 | 1,097 | 1,016 | 1,978 | 8,775 |
| Isobutane | 714 | 2,409 | 629 | 677 | 1,319 | 5,748 |
| Other Liquids ¹ | 27,205 | 3,195 | 43,335 | 0 | 10,651 | 84,386 |
| Unfinished Oils ¹ | 16,050 | 3,120 | 40,528 | 0 | 4,271 | 63,970 |
| Motor Gasoline Blending Components | 11,155 | 75 | 2,807 | 0 | 6,374 | 20,411 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 6 | 6 |
| Finished Petroleum Products | 326,440 | 9,711 | 47,348 | 1,811 | 13,850 | 399,160 |
| Finished Motor Gasoline | 66,579 | 1,162 | 5,836 | 561 | 5,279 | 79,416 |
| Finished Leaded Motor Gasoline | 30,285 | 794 | 3,241 | 535 | 1,873 | 36,729 |
| Finished Unleaded Motor Gasoline | 36,294 | 368 | 2,594 | 26 | 3,406 | 42,687 |
| Finished Aviation Gasoline | 587 | 0 | 0 | 2 | 7 | 596 |
| Naphtha-Type Jet Fuel | 2,286 | 0 | 1,888 | 0 | 8 | 4,182 |
| Kerosene-Type Jet Fuel | 11,835 | 0 | 0 | 0 | 1,256 | 13,091 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 11,835 | 0 | 0 | 0 | 1,256 | 13,091 |
| Kerosene | 2,174 | 0 | 6 | 0 | (s) | 2,180 |
| Distillate Fuel Oil | 64,366 | 2,415 | 1,029 | 1,095 | 1,569 | 70,474 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 64,366 | 2,415 | 1,029 | 1,095 | 1,569 | 70,474 |
| Residual Fuel Oil | 169,939 | 1,644 | 19,845 | 115 | 3,712 | 195,256 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 169,939 | 1,644 | 19,845 | 115 | 3,712 | 195,256 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 726 | 108 | 8,092 | 0 | 0 | 8,926 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 2,652 | 3,729 | 8,547 | 4 | 1,142 | 16,073 |
| Lubricants | 1,814 | 101 | 307 | 1 | 631 | 2,854 |
| Waxes | 134 | 55 | 183 | 0 | 27 | 399 |
| Asphalt and Road Oil | 2,188 | 128 | 143 | 32 | 189 | 2,680 |
| Miscellaneous Products | 1,162 | 369 | 1,472 | 2 | 29 | 3,035 |
| Total Imports | 610,336 | 186,994 | 579,128 | 14,749 | 81,445 | 1,472,652 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, September 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|--------------|------------------|------------------------------|-------------------------|------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 5,607 | 132 | 0 | 158 | 0 | 0 | 0 | 832 | 940 | 243 | 2,393 | 4,697 | 10,304 | 343 |
| Iraq | 590 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 590 | 20 |
| Kuwait | 799 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 334 | 0 | 0 | 334 | 1,133 | 38 |
| Saudi Arabia | 4,633 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 4,758 | 159 |
| United Arab Emirates | 1,398 | 0 | 0 | 664 | 357 | 0 | 0 | 411 | 546 | 0 | 0 | 1,978 | 3,377 | 113 |
| Subtotal Arab OPEC | 13,027 | 256 | 0 | 822 | 357 | 0 | 0 | 1,243 | 1,820 | 243 | 2,393 | 7,134 | 20,161 | 672 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 178 | 0 | 0 | 178 | 1,288 | 43 |
| Gabon | 1,398 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,398 | 47 |
| Indonesia | 8,532 | 0 | 396 | 0 | 88 | 23 | 0 | 9 | 132 | 269 | 545 | 1,462 | 9,994 | 333 |
| Iran | 516 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 516 | 17 |
| Nigeria | 4,187 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 612 | 0 | 0 | 612 | 4,799 | 160 |
| Venezuela | 8,553 | 0 | 1,530 | 0 | 2,491 | 112 | 113 | 2,533 | 4,757 | 0 | 575 | 12,112 | 20,665 | 689 |
| Subtotal Other OPEC | 24,296 | 0 | 1,926 | 0 | 2,579 | 135 | 113 | 2,542 | 5,679 | 269 | 1,120 | 14,364 | 38,660 | 1,289 |
| Other | | | | | | | | | | | | | | |
| Angola | 2,733 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,733 | 91 |
| Australia | 0 | 0 | 0 | 0 | 146 | 292 | 0 | 2 | 9 | 0 | 0 | 157 | 157 | 5 |
| Bahamas | 0 | 0 | 792 | 253 | 0 | 0 | 0 | 408 | 1,288 | 0 | 0 | 3,034 | 3,034 | 101 |
| Brazil | 0 | 0 | 0 | 0 | 730 | 0 | 0 | 0 | 947 | 0 | (s) | 1,677 | 1,677 | 56 |
| Canada | 9,546 | 3,384 | 397 | 0 | 836 | 0 | 7 | 1,068 | 220 | 98 | 558 | 6,567 | 16,113 | 537 |
| Congo | 832 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 | 0 | (s) | 185 | 1,017 | 34 |
| Egypt | 494 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 494 | 16 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 4 | (s) |
| Mexico | 20,199 | 190 | 1,377 | 0 | 287 | 64 | 0 | 1 | 604 | 0 | 136 | 2,660 | 22,859 | 762 |
| Netherlands | 1 | (s) | 0 | 0 | 232 | 0 | 0 | 305 | 0 | 0 | 0 | 7 | 544 | 18 |
| Netherlands Antilles | 0 | 0 | 859 | 0 | 211 | 0 | 0 | 220 | 2,641 | 35 | 27 | 3,993 | 3,993 | 133 |
| Norway | 4,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,700 | 157 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 336 | 0 | 0 | 1,022 | 343 | 0 | 0 | 0 | 0 | 0 | 0 | 1,365 | 1,700 | 57 |
| Peru | 0 | 0 | 198 | 0 | 0 | 0 | 0 | 0 | 272 | 0 | (s) | 470 | 470 | 16 |
| Puerto Rico | 0 | 0 | 50 | 479 | 505 | 0 | 0 | 70 | 0 | 212 | 297 | 1,134 | 1,134 | 38 |
| Romania | 0 | 0 | 0 | 0 | 995 | 0 | 0 | 0 | 0 | 0 | 0 | 1,475 | 1,475 | 49 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 142 | 144 | 144 | 5 |
| Trinidad and Tobago | 2,798 | 0 | 0 | 0 | 0 | 0 | 0 | 284 | 0 | 0 | 0 | 284 | 3,082 | 103 |
| United Kingdom | 14,489 | 0 | 0 | 0 | 213 | 0 | 0 | 0 | 0 | 0 | (s) | 213 | 14,701 | 490 |
| Virgin Islands | 0 | 0 | 1,031 | 0 | 1,137 | 361 | 88 | 1,035 | 3,711 | 0 | 0 | 7,363 | 7,363 | 245 |
| Zaire | 973 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 973 | 32 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 58 | 58 | 2 |
| Other Eastern Hemisphere | 4,382 | (s) | 0 | 0 | 1,416 | 51 | 0 | 1,365 | 490 | 167 | 80 | 3,570 | 7,952 | 265 |
| Subtotal Other | 61,483 | 3,575 | 4,704 | 1,754 | 7,051 | 769 | 95 | 4,758 | 10,367 | 572 | 1,252 | 34,896 | 96,379 | 3,213 |
| Total Imports | 98,807 | 3,832 | 6,630 | 2,576 | 9,988 | 903 | 208 | 8,543 | 17,866 | 1,083 | 4,765 | 56,394 | 155,201 | 5,173 |
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 1,605 | 132 | 0 | 0 | 0 | 0 | 0 | 0 | 832 | 0 | 524 | 2,012 | 3,617 | 121 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, September 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|-----|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Saudi Arabia | 1,581 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 1,705 | 57 |
| United Arab Emirates | 399 | 0 | 0 | 664 | 357 | 0 | 0 | 411 | 0 | 0 | 0 | 1,433 | 1,832 | 61 |
| Subtotal Arab OPEC | 3,585 | 256 | 0 | 664 | 357 | 0 | 0 | 1,243 | 525 | 0 | 524 | 3,570 | 7,154 | 238 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 178 | 0 | 0 | 178 | 178 | 6 |
| Gabon | 605 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 605 | 20 |
| Indonesia | 2,085 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,085 | 69 |
| Nigeria | 1,303 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 449 | 0 | 0 | 449 | 1,752 | 58 |
| Venezuela | 2,345 | 0 | 0 | 0 | 2,491 | 112 | 113 | 2,478 | 4,410 | 0 | 474 | 10,078 | 12,423 | 414 |
| Subtotal Other OPEC | 6,338 | 0 | 0 | 0 | 2,491 | 112 | 113 | 2,478 | 5,037 | 0 | 474 | 10,705 | 17,043 | 568 |
| Other | | | | | | | | | | | | | | |
| Angola | 2,008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,008 | 67 |
| Bahamas | 0 | 0 | 0 | 0 | 0 | 292 | 0 | 408 | 1,288 | 0 | 0 | 1,989 | 1,989 | 66 |
| Brazil | 0 | 0 | 0 | 0 | 730 | 0 | 0 | 0 | 947 | 0 | 0 | 1,677 | 1,677 | 56 |
| Canada | 1,185 | 264 | 124 | 0 | 365 | 0 | 7 | 617 | 144 | 15 | 393 | 1,929 | 3,114 | 104 |
| Congo | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 185 | 0 | 0 | 185 | 335 | 11 |
| Egypt | 493 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 493 | 16 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| Mexico | 3,384 | 0 | 0 | 0 | 287 | 64 | 0 | 0 | 293 | 0 | 60 | 705 | 4,088 | 136 |
| Netherlands | 0 | (s) | 0 | 0 | 232 | 0 | 0 | 305 | 0 | 0 | 0 | 537 | 537 | 18 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 220 | 2,467 | 0 | 0 | 2,687 | 2,687 | 90 |
| Norway | 1,546 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,546 | 52 |
| People's Republic of China | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 272 | 0 | 0 | 272 | 272 | 9 |
| Puerto Rico | 0 | 0 | 50 | 0 | 505 | 0 | 0 | 70 | 0 | 212 | 297 | 1,134 | 1,134 | 38 |
| Romania | 0 | 0 | 0 | 479 | 690 | 0 | 0 | 0 | 0 | 0 | 0 | 1,170 | 1,170 | 39 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 142 | 142 | 142 | 5 |
| Trinidad and Tobago | 453 | 0 | 0 | 0 | 0 | 0 | 0 | 284 | 0 | 0 | 0 | 284 | 737 | 25 |
| United Kingdom | 7,741 | 0 | 0 | 0 | 213 | 0 | 0 | 0 | 0 | 0 | (s) | 213 | 7,954 | 265 |
| Virgin Islands | 0 | 0 | 450 | 0 | 1,137 | 361 | 88 | 1,035 | 3,450 | 0 | 0 | 6,521 | 6,521 | 217 |
| Zaire | 672 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 672 | 22 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 1,088 | 0 | 0 | 0 | 1,324 | 0 | 0 | 1,319 | 292 | 0 | 25 | 2,961 | 4,049 | 135 |
| Subtotal Other | 18,721 | 265 | 623 | 479 | 5,484 | 717 | 95 | 4,258 | 9,339 | 227 | 918 | 22,404 | 41,125 | 1,371 |
| Total Imports | 28,643 | 521 | 623 | 1,144 | 8,332 | 829 | 208 | 7,978 | 14,901 | 227 | 1,915 | 36,678 | 65,322 | 2,177 |
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 535 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 535 | 18 |
| Subtotal Arab OPEC | 535 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 535 | 18 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 346 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 346 | 12 |
| Iran | 516 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 516 | 17 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 | 55 | 2 |
| Subtotal Other OPEC | 862 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 | 917 | 31 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, September 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------|-------------|-------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 6,946 | 2,463 | 271 | 0 | 319 | 0 | 0 | 327 | 67 | 63 | 116 | 3,626 | 10,571 | 352 |
| Canada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 3,274 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,274 | 109 |
| Mexico | 557 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 557 | 19 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spain | 870 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 870 | 29 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Other Eastern Hemisphere | 11,647 | 2,463 | 271 | 0 | 319 | 0 | 0 | 327 | 67 | 63 | 116 | 3,626 | 15,274 | 509 |
| Subtotal Other | 13,045 | 2,463 | 271 | 0 | 319 | 0 | 0 | 382 | 67 | 63 | 116 | 3,681 | 16,726 | 558 |
| Total Imports | | | | | | | | | | | | | | |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | 3,467 | 0 | 0 | 158 | 0 | 0 | 0 | 0 | 414 | 243 | 1,869 | 2,684 | 6,151 | 205 |
| Algeria | 590 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 590 | 20 |
| Iraq | 799 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 334 | 0 | 0 | 334 | 1,133 | 38 |
| Kuwait | 3,053 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,053 | 102 |
| Saudi Arabia | 999 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 546 | 0 | 0 | 546 | 1,545 | 51 |
| United Arab Emirates | 8,907 | 0 | 0 | 158 | 0 | 0 | 0 | 0 | 1,294 | 243 | 1,869 | 3,564 | 12,472 | 416 |
| Subtotal Arab OPEC | | | | | | | | | | | | | | |
| Other OPEC | 764 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 764 | 25 |
| Ecuador | 793 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 793 | 26 |
| Gabon | 1,918 | 0 | 396 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 232 | 897 | 2,815 | 94 |
| Indonesia | 2,884 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 0 | 0 | 163 | 3,047 | 102 |
| Nigeria | 6,208 | 0 | 1,530 | 0 | 0 | 0 | 0 | 0 | 347 | 0 | 34 | 1,911 | 8,120 | 271 |
| Venezuela | 12,567 | 0 | 1,926 | 0 | 0 | 0 | 0 | 0 | 510 | 269 | 266 | 2,972 | 15,539 | 518 |
| Subtotal Other OPEC | | | | | | | | | | | | | | |
| Other | 725 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 725 | 24 |
| Angola | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | (s) | 0 | 792 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,046 | 1,046 | 35 |
| Canada | 682 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 682 | 23 |
| Congo | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Egypt | 13,541 | 189 | 1,377 | 0 | 0 | 0 | 0 | 0 | 308 | 0 | 4 | 4 | 15,428 | 514 |
| France | 1 | 0 | 859 | 0 | 0 | 0 | 0 | 0 | 174 | 0 | 12 | 1,886 | 15,428 | 514 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 8 | 44 |
| Netherlands | 2,596 | 0 | 0 | 0 | 211 | 0 | 0 | 0 | 0 | 35 | 27 | 1,307 | 1,307 | 87 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oman | 336 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 198 | 310 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 310 | 645 | 22 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198 | 198 | 7 |
| Romania | 0 | 0 | 0 | 0 | 305 | 0 | 0 | 0 | 0 | 0 | 0 | 305 | 305 | 10 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 2 | 2 |
| Trinidad and Tobago | 2,345 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,345 | 78 |
| United Kingdom | 5,877 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,877 | 196 |
| Virgin Islands | 0 | 0 | 582 | 0 | 0 | 0 | 0 | 0 | 260 | 0 | 0 | 842 | 842 | 28 |

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|------------|------------------|------------------------------|-------------------------|-----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Zaire | 301 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 301 | 10 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 58 | 58 | 2 |
| Other Eastern Hemisphere | 3,294 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 167 | 35 | 202 | 3,496 | 117 |
| Subtotal Other | 29,700 | 189 | 3,808 | 563 | 516 | 0 | 0 | 1 | 742 | 262 | 85 | 6,165 | 35,865 | 1,195 |
| Total Imports | 51,174 | 189 | 5,734 | 721 | 516 | 0 | 0 | 1 | 2,547 | 773 | 2,220 | 12,701 | 63,875 | 2,129 |
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 999 | 329 | 0 | 0 | 50 | 0 | 0 | 78 | 7 | (s) | 48 | 513 | 1,512 | 50 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 999 | 329 | 0 | 0 | 50 | 0 | 0 | 78 | 7 | (s) | 48 | 513 | 1,512 | 50 |
| Total Imports | 999 | 329 | 0 | 0 | 50 | 0 | 0 | 78 | 7 | (s) | 48 | 513 | 1,512 | 50 |
| PAD District V | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Indonesia | 4,529 | 0 | 0 | 0 | 88 | 23 | 0 | 9 | 132 | 0 | 313 | 565 | 5,094 | 170 |
| Venezuela | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 67 | 67 | 67 | 2 |
| Subtotal Other OPEC | 4,529 | 0 | 0 | 0 | 88 | 23 | 0 | 9 | 132 | 0 | 380 | 632 | 5,161 | 172 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 146 | 0 | 0 | 2 | 9 | 0 | 0 | 157 | 157 | 5 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 416 | 328 | 2 | 0 | 101 | 0 | 0 | 46 | 3 | 19 | 1 | 500 | 916 | 31 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Mexico | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 65 | 69 | 69 | 2 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 0 | 0 | 343 | 0 | 0 | 0 | 0 | 0 | 0 | 1,055 | 1,055 | 35 |
| Spain | 0 | 0 | 0 | 0 | 712 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | (s) | 0 | 0 | 92 | 51 | 0 | 46 | 198 | 0 | 20 | 407 | 407 | 14 |
| Subtotal Other | 416 | 330 | 2 | 712 | 681 | 51 | 0 | 94 | 212 | 19 | 86 | 2,188 | 2,605 | 87 |
| Total Imports | 4,946 | 330 | 2 | 712 | 770 | 74 | 0 | 103 | 344 | 19 | 466 | 2,820 | 7,766 | 259 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - September 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|-------------|--------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 54,307 | 367 | 598 | 158 | 434 | 327 | 0 | 6,132 | 16,172 | 3,210 | 8,840 | 36,238 | 90,544 | 330 |
| Iraq | 2,769 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,769 | 10 |
| Kuwait | 5,550 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,019 | 0 | 0 | 4,019 | 9,569 | 35 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 5 |
| Saudi Arabia | 93,979 | 917 | 1,119 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | (s) | 3,049 | 97,028 | 354 |
| United Arab Emirates | 21,173 | 0 | 1,049 | 1,657 | 357 | 221 | 0 | 411 | 2,291 | 0 | 1,379 | 7,865 | 29,038 | 106 |
| Subtotal Arab OPEC | 179,275 | 1,284 | 2,766 | 1,815 | 791 | 548 | 0 | 6,543 | 23,495 | 3,210 | 10,719 | 51,171 | 230,446 | 841 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 13,439 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,581 | 0 | 0 | 2,581 | 16,020 | 58 |
| Gabon | 15,405 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 15,712 | 57 |
| Indonesia | 77,105 | 1,356 | 2,432 | 0 | 1,244 | 190 | 0 | 340 | 5,467 | 964 | 618 | 12,610 | 89,715 | 327 |
| Iran | 2,588 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,588 | 9 |
| Nigeria | 59,447 | 0 | 1,582 | 0 | 0 | 0 | 0 | 53 | 865 | 0 | 248 | 2,748 | 62,195 | 227 |
| Venezuela | 69,468 | 0 | 5,686 | 790 | 16,778 | 4,132 | 113 | 16,829 | 32,395 | 68 | 1,890 | 78,672 | 148,140 | 541 |
| Subtotal Other OPEC | 237,452 | 1,356 | 9,700 | 790 | 18,022 | 4,323 | 113 | 17,222 | 41,554 | 1,092 | 2,746 | 96,917 | 334,369 | 1,220 |
| Other | | | | | | | | | | | | | | |
| Angola | 24,153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 809 | 0 | 0 | 809 | 24,962 | 91 |
| Australia | 3,572 | 427 | 0 | 0 | 585 | 76 | 0 | 167 | 1,502 | 0 | 208 | 2,964 | 6,537 | 24 |
| Bahamas | 0 | 0 | 7,011 | 253 | 0 | 950 | 69 | 4,664 | 6,584 | 0 | 2,352 | 21,883 | 21,883 | 80 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 2 | 0 | 0 | 0 | 6,373 | 0 | 0 | 0 | 8,114 | 260 | 24 | 14,772 | 14,773 | 54 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 90,354 | 45,731 | 3,024 | 75 | 5,115 | 216 | 50 | 9,250 | 6,655 | 4,372 | 3,818 | 78,306 | 168,660 | 616 |
| Congo | 9,774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,691 | 0 | (s) | 1,691 | 11,465 | 42 |
| Egypt | 3,135 | (s) | (s) | 0 | 573 | 0 | 0 | 0 | 299 | 0 | 0 | 299 | 3,135 | 11 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 16 | 889 | 889 | 3 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 250 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 7 |
| Malaysia | 0 | 0 | 125 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 409 | 409 | 1 |
| Mexico | 179,006 | 1,819 | 9,632 | 3,511 | 979 | 308 | 0 | 1,097 | 1,659 | 300 | 779 | 20,082 | 199,088 | 727 |
| Netherlands | 1,046 | (s) | 0 | 378 | 6,070 | 196 | 0 | 7,163 | 1,418 | 340 | 328 | 16,340 | 17,386 | 63 |
| Netherlands Antilles | 0 | 28 | 9,306 | 426 | 6,397 | 933 | 0 | 2,871 | 34,487 | 35 | 0 | 54,811 | 54,811 | 200 |
| Norway | 32,122 | (s) | 0 | 0 | 0 | 451 | 0 | 366 | 0 | 0 | 0 | 817 | 32,939 | 120 |
| Oman | 2,109 | 0 | 0 | 0 | 1,116 | 0 | 0 | 0 | 1,239 | 0 | 0 | 1,239 | 3,347 | 12 |
| People's Republic of China | 3,294 | 0 | 494 | 6,741 | 0 | 0 | 0 | 0 | 4,869 | 347 | 33 | 8,731 | 12,025 | 44 |
| Peru | 224 | 0 | 755 | 0 | 3,456 | 223 | 0 | 0 | 0 | (s) | (s) | 5,847 | 6,070 | 22 |
| Puerto Rico | 0 | 0 | 1,298 | 0 | 2,567 | 453 | 0 | 1,081 | 389 | 3,256 | 1,760 | 11,304 | 11,304 | 41 |
| Romania | 0 | 0 | 252 | 4,553 | 1,167 | 0 | 0 | 0 | 782 | 423 | 3,634 | 11,818 | 11,818 | 43 |
| Spain | 0 | 0 | 218 | 0 | 1,167 | 1,016 | 0 | 123 | 1,731 | 12 | 171 | 3,488 | 3,488 | 13 |
| Trinidad and Tobago | 21,978 | 0 | 13 | 0 | 0 | 0 | 0 | 504 | 0 | 7 | 16 | 2,272 | 24,250 | 89 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| United Kingdom | 96,470 | 526 | 737 | 370 | 2,831 | 325 | 0 | 163 | 655 | 156 | 715 | 6,477 | 102,947 | 376 |
| Virgin Islands | 0 | 0 | 9,805 | 0 | 13,119 | 5,597 | 1,882 | 13,996 | 36,623 | 402 | 339 | 81,764 | 81,764 | 298 |
| Zaire | 8,510 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,510 | 31 |
| Other Western Hemisphere | 721 | 127 | 1,699 | 39 | 231 | 0 | 6 | 361 | 6,852 | 287 | 162 | 9,764 | 10,485 | 38 |
| Other Eastern Hemisphere | 32,093 | 2 | 7,135 | 1,460 | 9,864 | 1,653 | 60 | 4,883 | 11,618 | 1,574 | 2,154 | 40,402 | 72,495 | 265 |
| Subtotal Other | 508,827 | 48,660 | 51,504 | 17,806 | 60,602 | 12,403 | 2,067 | 4 ^c 709 | 130,206 | 11,770 | 17,284 | 399,010 | 907,837 | 3,313 |

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - September 1984
(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Napthtas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|---------------------------------|-------------|--------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| Total Imports | 925,554 | 51,300 | 63,970 | 20,411 | 79,416 | 17,273 | 2,180 | 70,474 | 195,256 | 16,073 | 30,748 | 547,099 | 1,472,652 | 5,375 |
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 14,133 | 367 | 0 | 0 | 434 | 327 | 0 | 6,082 | 14,762 | 218 | 2,019 | 24,207 | 38,341 | 140 |
| Kuwait | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1 |
| Saudi Arabia | 21,248 | 917 | 867 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1,784 | 23,032 | 84 |
| United Arab Emirates | 835 | 0 | 0 | 1,657 | 357 | 0 | 0 | 411 | 434 | 0 | 1,338 | 4,197 | 5,033 | 18 |
| Subtotal Arab OPEC | 36,469 | 1,284 | 867 | 1,657 | 791 | 327 | 0 | 6,493 | 15,195 | 218 | 3,356 | 30,189 | 66,658 | 243 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,581 | 0 | 0 | 2,581 | 2,883 | 11 |
| Gabon | 5,063 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 5,369 | 20 |
| Indonesia | 18,815 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 1,389 | 0 | 0 | 1,617 | 20,432 | 75 |
| Nigeria | 17,119 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 539 | 0 | 0 | 589 | 17,708 | 65 |
| Venezuela | 20,058 | 0 | 0 | 0 | 14,242 | 3,730 | 113 | 16,774 | 30,239 | 0 | 1,612 | 66,710 | 86,767 | 317 |
| Subtotal Other OPEC | 61,357 | 0 | 228 | 0 | 14,242 | 3,730 | 113 | 16,824 | 34,994 | 60 | 1,612 | 71,803 | 133,160 | 486 |
| Other | | | | | | | | | | | | | | |
| Angola | 15,261 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 809 | 0 | 0 | 809 | 16,070 | 59 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 746 | 0 | 0 | 746 | 746 | 3 |
| Bahamas | 0 | 0 | 481 | 0 | 0 | 950 | 69 | 4,315 | 6,584 | 0 | 180 | 12,579 | 12,579 | 46 |
| Brazil | 2 | 0 | 0 | 0 | 4,987 | 0 | 0 | 0 | 7,850 | 0 | 1 | 12,838 | 12,839 | 47 |
| Canada | 9,910 | 2,247 | 168 | 0 | 2,362 | 0 | 50 | 5,585 | 4,816 | 176 | 2,007 | 17,410 | 27,320 | 100 |
| Congo | 3,941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,691 | 0 | 0 | 1,691 | 5,632 | 21 |
| Egypt | 2,461 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,461 | 9 |
| France | 0 | 0 | 0 | 0 | 573 | 0 | 0 | 0 | 299 | (s) | 1 | 873 | 873 | 3 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 250 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 7 |
| Mexico | 26,316 | 0 | 0 | 3,216 | 539 | 279 | 0 | 885 | 918 | 291 | 349 | 6,477 | 32,793 | 120 |
| Netherlands | 1 | (s) | 0 | 219 | 6,070 | 196 | 0 | 7,163 | 1,418 | 36 | 251 | 15,351 | 15,352 | 56 |
| Netherlands Antilles | 0 | 0 | 7,178 | 426 | 5,108 | 893 | 0 | 2,513 | 34,121 | 0 | 122 | 50,361 | 50,361 | 184 |
| Norway | 20,127 | 0 | 0 | 0 | 0 | 89 | 0 | 366 | 0 | 0 | 0 | 456 | 20,582 | 75 |
| Oman | 993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 585 | 0 | 0 | 585 | 1,578 | 6 |
| People's Republic of China | 2,596 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 2,596 | 9 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,608 | 0 | (s) | 4,608 | 4,609 | 17 |
| Puerto Rico | 0 | 0 | 1,298 | 0 | 3,456 | 453 | 0 | 842 | 0 | 1,222 | 1,660 | 8,932 | 8,932 | 33 |
| Romania | 0 | 0 | 252 | 4,331 | 2,262 | 0 | 0 | 0 | 389 | 183 | 3,634 | 11,052 | 11,052 | 40 |
| Spain | 0 | 0 | 0 | 0 | 1,167 | 825 | 0 | 123 | 782 | 0 | 153 | 3,050 | 3,050 | 11 |
| Trinidad and Tobago | 4,126 | 0 | 13 | 0 | 0 | 0 | 0 | 504 | 1,731 | 7 | 0 | 2,255 | 6,382 | 23 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| United Kingdom | 49,702 | 525 | 471 | 79 | 2,704 | 154 | 0 | 163 | 655 | (s) | 287 | 5,037 | 54,739 | 200 |
| Virgin Islands | 0 | 0 | 4,437 | 0 | 13,119 | 5,597 | 1,882 | 13,996 | 35,025 | 0 | 0 | 74,057 | 74,057 | 270 |
| Zaire | 4,218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,218 | 15 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 127 | 611 | 0 | 231 | 0 | 0 | 32 | 6,852 | 0 | 8 | 7,860 | 7,860 | 29 |
| Other Eastern Hemisphere | 6,912 | 2 | 45 | 1,226 | 8,966 | 627 | 60 | 4,562 | 7,740 | 459 | 1,101 | 24,788 | 31,699 | 116 |
| Subtotal Other | 146,570 | 2,900 | 14,955 | 9,497 | 51,545 | 10,063 | 2,061 | 41,050 | 119,750 | 2,374 | 9,753 | 263,948 | 410,518 | 1,498 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - September 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|-------------|--------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Total Imports | 244,397 | 4,184 | 16,050 | 11,155 | 66,579 | 14,120 | 2,174 | 64,366 | 169,939 | 2,652 | 14,721 | 365,940 | 610,336 | 2,228 |
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 7,129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,129 | 26 |
| Kuwait | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 1 |
| Saudi Arabia | 2,291 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,291 | 8 |
| United Arab Emirates | 2,069 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,069 | 8 |
| Subtotal Arab OPEC | 11,689 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,689 | 43 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 2,461 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,461 | 9 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 1,556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,556 | 6 |
| Nigeria | 7,203 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 7,406 | 27 |
| Venezuela | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 | 473 | 2 |
| Subtotal Other OPEC | 11,637 | 0 | 203 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 259 | 11,896 | 43 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 218 | 1 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 65,542 | 36,659 | 2,699 | 75 | 1,162 | 0 | 0 | 2,360 | 1,644 | 3,729 | 758 | 49,085 | 114,626 | 418 |
| Congo | 1,957 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 1,957 | 7 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| Mexico | 34,822 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34,822 | 127 |
| Netherlands | 1,044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,044 | 4 |
| Norway | 1,076 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,076 | 4 |
| Peru | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 5,758 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,758 | 21 |
| United Kingdom | 2,598 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2,600 | 9 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 1,083 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 1,085 | 4 |
| Subtotal Other | 114,101 | 36,661 | 2,917 | 75 | 1,162 | 0 | 0 | 2,360 | 1,644 | 3,729 | 761 | 49,308 | 163,409 | 596 |
| Total Imports | 137,428 | 36,661 | 3,120 | 75 | 1,162 | 0 | 0 | 2,415 | 1,644 | 3,729 | 761 | 49,566 | 186,994 | 682 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 32,110 | 0 | 345 | 158 | 0 | 0 | 0 | 50 | 1,410 | 2,993 | 6,821 | 11,777 | 43,887 | 160 |
| Iraq | 2,769 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,769 | 10 |
| Kuwait | 5,098 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,019 | 0 | 0 | 4,019 | 9,117 | 33 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 5 |
| Saudi Arabia | 70,440 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | 0 | 1,013 | 71,453 | 261 |
| United Arab Emirates | 18,268 | 0 | 780 | 0 | 0 | 221 | 0 | 0 | 1,857 | 0 | 541 | 3,399 | 21,667 | 79 |
| Subtotal Arab OPEC | 130,183 | 0 | 1,125 | 158 | 0 | 221 | 0 | 50 | 8,300 | 2,993 | 7,362 | 20,209 | 150,391 | 549 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - September 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distill. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Products 2 | Total Products | Total Petroleum | Total (Daily Average) |
|----------------------------------|----------------|--------------|------------------|------------------------------|-------------------------|--------------|-----------|-------------------|-----------------|------------------|------------------|----------------|-----------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 10,316 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,316 | 38 |
| Gabon | 10,343 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,343 | 38 |
| Indonesia | 19,221 | 1,356 | 396 | 0 | 0 | 0 | 0 | 0 | 2,580 | 497 | 303 | 5,133 | 24,354 | 89 |
| Iran | 1,032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,032 | 4 |
| Nigeria | 35,125 | 0 | 1,379 | 0 | 0 | 0 | 0 | 3 | 326 | 0 | 248 | 1,955 | 37,080 | 135 |
| Venezuela | 48,369 | 0 | 5,686 | 790 | 2,290 | 0 | 0 | 0 | 2,156 | 68 | 201 | 11,191 | 59,560 | 217 |
| Subtotal Other OPEC | 124,405 | 1,356 | 7,461 | 790 | 2,290 | 0 | 0 | 3 | 5,062 | 565 | 752 | 18,279 | 142,685 | 521 |
| Other | | | | | | | | | | | | | | |
| Angola | 8,892 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,892 | 32 |
| Australia | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 | 0 | 164 | 684 | 685 | 3 |
| Bahamas | 0 | 0 | 6,312 | 253 | 0 | 0 | 0 | 349 | 0 | 0 | 2,172 | 9,086 | 9,086 | 33 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 0 | 0 | 0 | 0 | 1,386 | 0 | 0 | 0 | 264 | 260 | 23 | 1,934 | 1,934 | 7 |
| Canada | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 266 | 71 | 337 | 339 | 1 |
| Congo | 3,876 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 3,876 | 3,876 | 14 |
| Egypt | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 674 | 2 |
| France | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 15 | 15 | 15 | (s) |
| Malaysia | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 125 | (s) |
| Mexico | 117,867 | 1,769 | 9,632 | 294 | 439 | 29 | 0 | 201 | 688 | 9 | 285 | 13,347 | 131,214 | 479 |
| Netherlands | 1 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 0 | 300 | 525 | 985 | 986 | 4 |
| Netherlands Antilles | 0 | 28 | 2,120 | 0 | 1,289 | 0 | 0 | 358 | 174 | 35 | 86 | 4,091 | 4,091 | 15 |
| Norway | 10,920 | (s) | 0 | 0 | 0 | 361 | 0 | 0 | 0 | 0 | 0 | 361 | 11,281 | 41 |
| Oman | 1,116 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 654 | 0 | 0 | 654 | 1,769 | 6 |
| People's Republic of China | 698 | 0 | 0 | 803 | 0 | 223 | 0 | 0 | 262 | 0 | 30 | 834 | 1,531 | 6 |
| Peru | 0 | 0 | 755 | 0 | 0 | 0 | 0 | 0 | 0 | 2,034 | 0 | 1,239 | 1,239 | 5 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,034 | 2,034 | 7 |
| Romania | 0 | 0 | 0 | 0 | 305 | 0 | 0 | 0 | 0 | 239 | 0 | 544 | 544 | 2 |
| Spain | 0 | 0 | 218 | 0 | 0 | 190 | 0 | 0 | 0 | 12 | 18 | 438 | 438 | 2 |
| Trinidad and Tobago | 12,094 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 12,110 | 44 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 44,170 | 0 | 266 | 291 | 127 | 171 | 0 | (s) | 0 | 156 | 426 | 1,437 | 45,608 | 166 |
| Virgin Islands | 0 | 0 | 5,367 | 0 | 0 | 0 | 0 | 0 | 1,598 | 356 | 339 | 7,661 | 7,661 | 28 |
| Zaire | 4,293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,293 | 16 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 721 | 0 | 1,088 | 39 | 0 | 0 | 6 | 12 | 0 | 287 | 154 | 1,585 | 2,307 | 8 |
| Other Eastern Hemisphere | 22,694 | 0 | 6,058 | 18 | 0 | 693 | 0 | 56 | 2,324 | 1,035 | 183 | 10,366 | 33,061 | 121 |
| Subtotal Other | 228,279 | 1,797 | 31,942 | 1,859 | 3,546 | 1,668 | 6 | 976 | 6,483 | 4,989 | 4,508 | 57,772 | 286,052 | 1,044 |
| Total Imports | 482,867 | 3,152 | 40,528 | 2,807 | 5,836 | 1,888 | 6 | 1,029 | 19,845 | 8,547 | 12,622 | 96,260 | 579,128 | 2,114 |
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 8,642 | 3,401 | 0 | 0 | 561 | 0 | 0 | 1,095 | 115 | 4 | 931 | 6,107 | 14,749 | 54 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - September 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------|---------------|--------------|------------------|------------------------------|-------------------------|--------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District IV | | | | | | | | | | | | | | |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 8,642 | 3,401 | 0 | 0 | 561 | 0 | 0 | 1,095 | 115 | 4 | 931 | 6,107 | 14,749 | 54 |
| Total Imports | 8,642 | 3,401 | 0 | 0 | 561 | 0 | 0 | 1,095 | 115 | 4 | 931 | 6,107 | 14,749 | 54 |
| PAD District V | | | | | | | | | | | | | | |
| Arab OPEC | 934 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1,187 | 4 |
| Algeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 1 |
| Saudi Arabia | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 269 | 1 |
| United Arab Emirates | 0 | 0 | 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 1,707 | 6 |
| Subtotal Arab OPEC | 934 | 0 | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 774 | 1,707 | 6 |
| Other OPEC | 360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 360 | 1 |
| Ecuador | 39,069 | 0 | 1,808 | 0 | 1,244 | 190 | 0 | 340 | 1,497 | 467 | 314 | 5,860 | 44,929 | 164 |
| Indonesia | 624 | 0 | 0 | 0 | 246 | 403 | 0 | 0 | 0 | 0 | 67 | 716 | 1,340 | 5 |
| Venezuela | 40,052 | 0 | 1,808 | 0 | 1,491 | 593 | 0 | 340 | 1,497 | 467 | 381 | 6,577 | 46,629 | 170 |
| Subtotal Other OPEC | 79,745 | 0 | 3,616 | 0 | 2,981 | 1,186 | 0 | 680 | 3,000 | 934 | 695 | 12,153 | 14,669 | 175 |
| Other | 3,571 | 427 | 0 | 0 | 585 | 76 | 0 | 167 | 237 | 0 | 44 | 1,535 | 5,106 | 19 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 6,259 | 3,424 | 157 | 0 | 1,031 | 216 | (s) | 211 | 79 | 197 | 52 | 5,368 | 11,626 | 42 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 284 | 284 | 1 |
| Mexico | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 11 | 53 | 0 | 145 | 259 | 259 | 1 |
| Netherlands | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | (s) |
| Netherlands Antilles | 0 | 0 | 7 | 0 | 0 | 40 | 0 | 0 | 192 | 0 | 120 | 358 | 358 | 1 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 494 | 5,937 | 1,116 | 0 | 0 | 0 | 0 | 347 | 3 | 7,897 | 7,897 | 29 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 0 | 100 | 338 | 338 | 1 |
| Romania | 0 | 0 | 0 | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | (s) |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 46 | (s) |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Subtotal Other | 11,234 | 3,901 | 1,690 | 6,374 | 3,788 | 671 | (s) | 1,229 | 2,214 | 675 | 1,332 | 21,876 | 33,109 | 121 |
| Total Imports | 52,220 | 3,901 | 4,271 | 6,374 | 5,279 | 1,264 | (s) | 1,569 | 3,712 | 1,142 | 1,713 | 29,226 | 81,445 | 297 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 20. Exports of Crude Oil and Petroleum Products by PAD District, September 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|-----|-------|-----|--------|--------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ¹ | 0 | 434 | (s) | 0 | 4,412 | 4,846 |
| Natural Gas Liquids | 26 | 13 | 615 | 7 | 126 | 787 |
| Pentanes Plus | 0 | 1 | 0 | 0 | 0 | 1 |
| Liquefied Petroleum Gases | 26 | 12 | 615 | 7 | 126 | 786 |
| Ethane | 1 | 1 | 0 | 0 | (s) | 2 |
| Propane | 9 | 10 | 537 | 7 | 51 | 614 |
| Normal Butane | 16 | 1 | 78 | 0 | 75 | 170 |
| Isobutane | 0 | 1 | 0 | 0 | 0 | 1 |
| Finished Motor Gasoline | 8 | 1 | 37 | 0 | 3 | 48 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 0 | 0 | (s) | 0 | 27 | 27 |
| Kerosene | 6 | 0 | 1 | 0 | (s) | 6 |
| Distillate Fuel Oil | 109 | (s) | 461 | 0 | 85 | 655 |
| Residual Fuel Oil | 219 | 0 | 2,327 | 0 | 3,885 | 6,430 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 35 | 11 | 57 | 1 | 7 | 111 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | (s) | 17 | 423 | 0 | 206 | 646 |
| Special Naphthas | 4 | 4 | 25 | 0 | 1 | 34 |
| Lubricants | 64 | 16 | 257 | 2 | 30 | 370 |
| Waxes | 4 | 1 | 27 | 0 | 5 | 37 |
| Petroleum Coke | 245 | 232 | 2,337 | 3 | 3,067 | 5,884 |
| Asphalt | 1 | 2 | (s) | (s) | (s) | 4 |
| Miscellaneous Products | 14 | 2 | 9 | 0 | 4 | 30 |
| Total Product Exports | 735 | 298 | 6,576 | 14 | 7,446 | 15,069 |
| Total Exports | 735 | 732 | 6,576 | 14 | 11,858 | 19,915 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 21. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January - September 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | | | Total |
|---|--|--------|--------|-----|---------|--|--|---------|
| | I | II | III | IV | V | | | |
| Crude Oil (including lease condensate) ¹ | 0 | 4,377 | (s) | 0 | 45,688 | | | 50,065 |
| Natural Gas Liquids | 344 | 4,410 | 6,079 | 7 | 1,497 | | | 12,337 |
| Pentanes Plus | 0 | 649 | 0 | 0 | 0 | | | 649 |
| Liquefied Petroleum Gases | 344 | 3,761 | 6,079 | 7 | 1,497 | | | 11,688 |
| Ethane | 1 | 1,298 | (s) | 0 | (s) | | | 1,299 |
| Propane | 164 | 1,103 | 5,046 | 7 | 601 | | | 6,921 |
| Normal Butane | 179 | 711 | 1,032 | (s) | 896 | | | 2,818 |
| Isobutane | 0 | 649 | 0 | 0 | 0 | | | 649 |
| Finished Motor Gasoline | 144 | 4 | 367 | 0 | 748 | | | 1,263 |
| Naphtha-Type Jet Fuel | (s) | 0 | 200 | 0 | 0 | | | 200 |
| Kerosene-Type Jet Fuel | 176 | 139 | 432 | 0 | 407 | | | 1,154 |
| Kerosene | 25 | 0 | 3 | 0 | (s) | | | 29 |
| Distillate Fuel Oil | 741 | 56 | 3,254 | 0 | 8,688 | | | 12,738 |
| Residual Fuel Oil | 1,064 | 0 | 16,140 | (s) | 29,264 | | | 46,468 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 493 | 89 | 964 | 8 | 178 | | | 1,732 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 3 | 253 | 3,388 | 0 | 469 | | | 4,114 |
| Special Naphthas | 52 | 76 | 265 | 3 | 251 | | | 648 |
| Lubricants | 954 | 238 | 2,569 | 12 | 399 | | | 4,172 |
| Waxes | 42 | 7 | 256 | 0 | 33 | | | 338 |
| Petroleum Coke | 2,024 | 2,277 | 27,077 | 7 | 22,224 | | | 53,609 |
| Asphalt | 47 | 62 | 28 | 4 | 11 | | | 153 |
| Miscellaneous Products | 137 | 16 | 106 | 1 | 30 | | | 290 |
| Total Product Exports | 6,246 | 7,628 | 61,129 | 42 | 64,202 | | | 139,247 |
| Total Exports | 6,246 | 12,005 | 61,129 | 42 | 109,890 | | | 189,312 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, September 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------|-------------|-----|-------------------------|----------|----------------|-------------------|------------------|------------|-------|----------------|---------|--------------------|-------|-----------------------|
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) | 0 | 1 | 2 | (s) |
| Australia | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 14 | (s) | 56 | (s) | 12 | 84 | 3 |
| Bahamas | 0 | (s) | 1 | 0 | 107 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 110 | 4 |
| Bahrain | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Belgium & Luxembourg | 0 | 0 | (s) | 0 | 0 | 0 | 2 | 4 | 0 | 677 | (s) | 2 | 683 | 23 |
| Brazil | 0 | 2 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 75 | 0 | 0 | 80 | 3 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Canada | 434 | 20 | 7 | 0 | 2 | 90 | 5 | 42 | 3 | 419 | 3 | 52 | 1,077 | 36 |
| Chile | 0 | (s) | 0 | 0 | 0 | 0 | 2 | 20 | (s) | 0 | 0 | (s) | 22 | 1 |
| China (Taiwan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | (s) | 89 | (s) | 1 | 99 | 3 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 | (s) | 0 | 0 | 2 | 21 | 1 |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 0 | 0 | (s) | 3 | (s) |
| Denmark | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 2 | (s) |
| Dominican Republic | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 47 | 2 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | (s) | 1 | 1 | (s) |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) | 0 | 0 | 1 | 5 | (s) |
| El Salvador | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 0 | 0 | 1 | 4 | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 219 | 0 | (s) | 1 | 0 | 0 | 201 | 422 | 14 |
| France | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| French Pacific Isl. | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 141 | 5 |
| Ghana | 0 | 0 | 0 | 0 | 141 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Guatemala | 0 | 67 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | (s) | 70 | 2 |
| Honduras | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 8 | 0 | 0 | 0 | (s) | 8 | (s) |
| Hong Kong | 0 | 0 | 0 | 0 | 0 | 516 | 0 | 2 | (s) | 0 | (s) | 0 | 519 | 17 |
| India | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | (s) | 0 | 0 | 0 | 23 | 1 |
| Indonesia | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | (s) |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | 0 | (s) | 0 | (s) | (s) | (s) |
| Italy | 0 | (s) | 0 | 0 | 0 | 320 | (s) | (s) | (s) | 648 | 0 | 84 | 1,053 | 35 |
| Ivory Coast | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | 0 | (s) | 253 | 8 |
| Jamaica | (s) | 30 | 0 | 0 | 0 | 189 | (s) | 33 | (s) | 1,756 | (s) | 46 | 2,889 | 96 |
| Japan | 0 | 1 | 0 | 0 | 0 | 1,073 | 2 | 9 | 2 | 0 | 0 | 0 | 1,093 | 36 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 994 | 0 | 2 | 1 | 1 | (s) | 0 | 1 | (s) |
| Korea, Republic of | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 1 | 0 | 0 | (s) | 0 | 1 | (s) |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | (s) | 0 | 1 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 114 | 0 | 1 | 0 | 0 | (s) | 0 | 114 | 4 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | (s) | 0 | 1 | (s) |
| Malaysia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | (s) | 0 | 1 | (s) |
| Mexico | 0 | 520 | 3 | 27 | 0 | 303 | 1 | 57 | 6 | 9 | 0 | 7 | 934 | 31 |
| Netherlands | 0 | (s) | 0 | 0 | (s) | 340 | 9 | 8 | (s) | 1,690 | 0 | 1 | 2,049 | 68 |
| Netherlands Antilles | 0 | (s) | 36 | 0 | 177 | 673 | 0 | (s) | 0 | 0 | 0 | (s) | 887 | 30 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | 0 | 0 | 1 | (s) |
| Nicaragua | 0 | 12 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 0 | 12 | (s) |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 123 | (s) | 0 | (s) | (s) |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 123 | 4 |
| Pacific Trust Terr. | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 12 | 0 | 0 | 0 | (s) | 124 | 4 |
| Panama | 0 | 24 | 0 | 0 | 85 | 0 | (s) | 1 | (s) | 0 | (s) | 0 | 40 | 1 |
| Peru | 0 | 38 | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 1 | (s) | 56 | 57 | 2 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 14 | (s) | 0 | (s) | 13 | 41 | 1 |
| Puerto Rico | 0 | 10 | (s) | 0 | 0 | (s) | 1 | 17 | 2 | 0 | 0 | 142 | 175 | 6 |
| Rep. of South Africa | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | (s) |
| Saudi Arabia | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 6 | (s) |

See footnotes at end of table.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, September 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphtas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------|-------------|-----|-------------------------|----------|----------------|-------------------|-----------------|------------|-------|----------------|---------|--------------------|--------|-----------------------|
| Singapore | 0 | (s) | 0 | 0 | 0 | 0 | 4 | 4 | (s) | 0 | (s) | (s) | 9 | (s) |
| Spain | 0 | (s) | 0 | 0 | 142 | 557 | 0 | (s) | (s) | 92 | (s) | (s) | 791 | 26 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 13 | 0 | 0 | 13 | (s) |
| Sweden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 0 | 0 | 0 | 2 | (s) |
| Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 1 | (s) |
| Thailand | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 5 | (s) | 0 | 0 | 58 | 63 | 2 |
| Trinidad and Tobago | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | (s) | 6 | (s) |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | (s) | 5 | (s) |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 76 | (s) | (s) | 89 | 3 |
| United Kingdom | 0 | 1 | 0 | 0 | (s) | 97 | 0 | 2 | (s) | 0 | 0 | 1 | 102 | 3 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | (s) | (s) | (s) |
| Venezuela | 0 | (s) | (s) | 0 | 0 | (s) | 2 | 1 | (s) | 29 | 0 | 3 | 36 | 1 |
| Virgin Islands | 3,061 | 0 | 0 | 0 | 0 | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 3,735 | 125 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 27 | (s) | 3 | 32 | 1 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 99 | 0 | 0 | 99 | 3 |
| Other | 1,351 | 6 | (s) | 0 | 0 | 270 | (s) | 11 | 2 | 3 | (s) | 2 | 1,644 | 55 |
| Total | 4,846 | 786 | 48 | 27 | 655 | 6,430 | 34 | 370 | 37 | 5,884 | 4 | 793 | 19,915 | 664 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with

Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories

(especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical

Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater

than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - September 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphtas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------|-------------|-------|-------------------------|----------|----------------|-------------------|-----------------|------------|-------|----------------|---------|--------|--------|-----------------------|
| Argentina | 0 | 1 | 0 | 431 | (s) | 0 | 4 | 111 | 3 | 1 | 0 | 161 | 710 | 3 |
| Australia | 0 | 6 | 269 | 0 | 1 | 800 | 32 | 58 | 1 | 1,294 | 0 | 103 | 2,564 | 9 |
| Bahamas | 0 | 72 | 8 | (s) | 862 | 859 | 0 | 13 | (s) | 0 | 0 | 3 | 1,817 | 7 |
| Bahrain | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 0 | 0 | 276 | 0 | 1 | 279 | 1 |
| Belgium & Luxembourg | 0 | 10 | (s) | 0 | 0 | 0 | 5 | 74 | 1 | 6,057 | (s) | 5 | 6,152 | 22 |
| Brazil | 0 | 4 | 0 | 0 | 0 | 0 | 8 | 10 | (s) | 335 | 0 | 12 | 368 | 1 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 121 | 0 | (s) | 121 | (s) |
| Canada | 4,377 | 3,783 | 138 | 220 | 2,350 | 1,883 | 94 | 569 | 25 | 4,305 | 108 | 1,221 | 19,073 | 70 |
| Chile | 0 | (s) | 83 | 43 | 256 | 61 | 3 | 97 | (s) | 1 | 2 | 5 | 553 | 2 |
| China (Taiwan) | 0 | 2 | 0 | 0 | 920 | 3,770 | 1 | 88 | 1 | 183 | 1 | 10 | 4,976 | 18 |
| Colombia | 0 | 4 | 0 | 0 | 0 | 0 | 5 | 50 | 61 | 1 | 0 | 10 | 130 | (s) |
| Costa Rica | 0 | 49 | (s) | 0 | 0 | 0 | 17 | 38 | 1 | 22 | 10 | 8 | 144 | 1 |
| Denmark | 0 | 2 | 0 | 0 | (s) | 0 | 0 | 2 | 1 | 513 | 0 | 1 | 520 | 2 |
| Dominican Republic | 0 | 305 | 0 | 0 | 0 | 0 | (s) | 8 | 1 | 64 | 0 | 4 | 382 | 1 |
| Ecuador | 0 | 351 | 25 | 0 | 332 | (s) | 3 | 7 | 2 | 0 | 2 | 8 | 729 | 3 |
| Egypt | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 18 | (s) | 0 | 0 | 2 | 22 | (s) |
| El Salvador | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 33 | (s) | 0 | 0 | 4 | 39 | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) | 0 | 0 | 2 | 6 | (s) |
| France | 0 | 38 | 1 | 0 | 1 | 1,109 | (s) | 10 | 13 | 3,920 | 0 | 1,007 | 6,100 | 22 |
| French Pacific Isl | 0 | (s) | 0 | 0 | 0 | 350 | 0 | 2 | 0 | 0 | (s) | (s) | 352 | 1 |
| Ghana | 0 | 5 | 0 | 0 | 141 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 141 | 1 |
| Greece | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 2 | (s) | 230 | 0 | 2 | 239 | 1 |
| Guatemala | 0 | 483 | 0 | 0 | 0 | 0 | 4 | 30 | 3 | 0 | (s) | 5 | 525 | 2 |
| Guinea | 0 | (s) | 0 | 0 | 0 | 358 | (s) | 6 | 0 | 0 | 0 | (s) | 365 | 1 |
| Honduras | 0 | 3 | (s) | 0 | (s) | 0 | 5 | 46 | (s) | (s) | (s) | 3 | 57 | (s) |
| Hong Kong | 0 | 1 | 0 | 0 | (s) | 1,910 | 2 | 12 | 2 | 0 | 1 | 5 | 1,932 | 7 |
| India | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 53 | (s) | 38 | (s) | 27 | 119 | (s) |
| Indonesia | 0 | 1 | 0 | 0 | 1 | 0 | (s) | 26 | (s) | 266 | (s) | 11 | 305 | 1 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Israel | 0 | 7 | 0 | 0 | (s) | 0 | 2 | 1 | (s) | (s) | 0 | 9 | 20 | (s) |
| Italy | 0 | 159 | 0 | 0 | (s) | 3,610 | 6 | 6 | 4 | 6,466 | (s) | 1,106 | 11,357 | 41 |
| Ivory Coast | 0 | 0 | 0 | 0 | 174 | 280 | 0 | 27 | 0 | 0 | 1 | (s) | 481 | 2 |
| Jamaica | (s) | 209 | 25 | 0 | 0 | 520 | (s) | 107 | (s) | 0 | (s) | 8 | 870 | 3 |
| Japan | 0 | 18 | (s) | 0 | 2,860 | 9,297 | 310 | 186 | 21 | 11,736 | (s) | 367 | 24,795 | 90 |
| Jordan | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 6 | 0 | (s) | 0 | (s) | 7 | (s) |
| Korea, Republic of | 0 | 6 | 0 | 0 | 668 | 2,572 | 3 | 39 | 3 | 769 | (s) | 324 | 4,385 | 16 |
| Kuwait | 0 | 3 | (s) | 0 | 0 | 0 | (s) | 14 | 0 | (s) | 0 | 1 | 19 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | (s) | (s) | 7 | (s) |
| Liberia | 0 | 1 | 0 | 0 | 0 | 365 | 0 | 2 | (s) | 0 | (s) | (s) | 367 | 1 |
| Malaysia | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 6 | (s) | 0 | (s) | 1 | 8 | (s) |
| Mexico | 4,928 | 0 | 38 | 327 | (s) | 908 | 21 | 574 | 64 | 284 | 1 | 107 | 7,250 | 26 |
| Netherlands | 0 | 144 | 0 | 0 | (s) | 917 | 55 | 58 | 4 | 7,102 | (s) | 600 | 8,879 | 32 |
| Netherlands Antilles | 0 | 4 | 87 | 128 | 1,191 | 3,808 | (s) | 3 | 0 | 0 | 0 | (s) | 5,220 | 19 |
| New Zealand | 0 | (s) | 443 | 0 | 301 | 0 | 3 | 10 | (s) | 388 | (s) | 7 | 1,154 | 4 |
| Nicaragua | 0 | 12 | 0 | 0 | 0 | 0 | 3 | 24 | 0 | 0 | 0 | 3 | 42 | (s) |
| Nigeria | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 112 | (s) | 0 | (s) | 3 | 117 | (s) |
| Norway | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 2 | (s) | 912 | (s) | 1 | 915 | 3 |
| Pacific Trust Terr. | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 1 | (s) |
| Panama | 0 | 112 | 113 | 0 | 1,317 | 1,236 | 6 | 54 | (s) | 28 | (s) | 3 | 2,871 | 10 |
| Peru | 0 | 41 | 0 | 0 | 576 | 0 | (s) | 94 | (s) | 1 | (s) | 2 | 715 | 3 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 11 | 1 | 0 | 0 | 114 | 132 | (s) |
| Puerto Rico | 6,944 | 93 | 2 | (s) | (s) | 202 | 12 | 148 | 14 | (s) | 1 | 180 | 7,595 | 28 |
| Rep. of South Africa | 0 | 2 | 0 | 0 | (s) | 0 | (s) | 86 | 72 | 281 | 1 | 431 | 874 | 3 |

See footnotes at end of table.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - September 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petro-leum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------|-------------|--------|-------------------------|----------|----------------|-------------------|------------------|------------|-------|-----------------|---------|--------------------|---------|-----------------------|
| Saudi Arabia | 0 | 65 | 0 | 0 | 0 | (s) | 1 | 140 | (s) | 0 | 0 | 25 | 231 | 1 |
| Singapore | 0 | 12 | 0 | 0 | 100 | 2,708 | 22 | 68 | 1 | 23 | (s) | 11 | 2,944 | 11 |
| Spain | 0 | 4 | 0 | 0 | 523 | 2,025 | 0 | 379 | 1 | 4,619 | (s) | 254 | 7,806 | 28 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 58 | 0 | 1 | 70 | (s) |
| Sweden | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 12 | 1 | 315 | (s) | 5 | 336 | 1 |
| Switzerland | 0 | 3 | 0 | 0 | 0 | 0 | (s) | 5 | 1 | 0 | 0 | 4 | 13 | (s) |
| Thailand | 0 | (s) | 30 | 0 | 0 | 0 | 1 | 43 | (s) | (s) | (s) | 121 | 196 | 1 |
| Trinidad and Tobago | 0 | 43 | 0 | 206 | (s) | 0 | 5 | 15 | (s) | 0 | (s) | 3 | 272 | 1 |
| Turkey | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 6 | (s) | 302 | 0 | 174 | 483 | 2 |
| United Arab Emirates | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 70 | 0 | 257 | (s) | 23 | 352 | 1 |
| United Kingdom | 0 | 46 | (s) | 0 | 8 | 1,478 | 1 | 41 | 3 | 95 | 15 | 24 | 1,711 | 6 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 268 | 0 | 237 | 0 | (s) | 505 | 2 |
| Uruguay | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 6 | (s) | 0 | (s) | 2 | 8 | (s) |
| Venezuela | (s) | 525 | (s) | 0 | (s) | (s) | 9 | 13 | 3 | 588 | 1 | 19 | 1,159 | 4 |
| Virgin Islands | 30,863 | 14 | 0 | 0 | 0 | 4,621 | 0 | (s) | 0 | 0 | 0 | (s) | 35,499 | 130 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 75 | 25 | 897 | (s) | 98 | 1,094 | 4 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 440 | 0 | (s) | 440 | 2 |
| Other | 7,881 | 105 | (s) | 0 | 151 | 823 | (s) | 70 | 3 | 186 | 4 | 163 | 9,385 | 34 |
| Total | 50,065 | 11,633 | 1,263 | 1,354 | 12,738 | 46,468 | 648 | 4,172 | 338 | 53,609 | 153 | 6,814 | 189,312 | 691 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | PAD District IV | | United States | |
|--|----------------|----------------|---------|-----------------|-----------------|---------------------|-------------------|---------|--------------|------------------|----------------|---------------|------------|-----------------|------------------------|---------------|------------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | PAD Dist. IV Rocky Mt. | | PAD Dist. V West Coast |
| | | | | | | | | | | | | | | | | | |
| Crude Oil (incl. lease condensate) | | | | | | | | | | | | | | | | | |
| Refinery | -- | -- | 10,982 | -- | -- | -- | -- | 13,359 | -- | -- | -- | -- | -- | 47,938 | 2,141 | 20,688 | 95,108 |
| Tank Farms and Pipelines | -- | -- | 1,370 | -- | -- | -- | -- | 55,270 | -- | -- | -- | -- | -- | 89,787 | 9,919 | 24,862 | 181,208 |
| Leases | -- | -- | 60 | -- | -- | -- | -- | 1,589 | -- | -- | -- | -- | -- | 16,844 | 1,273 | 1,320 | 21,086 |
| Strategic Petroleum Reserve1 | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 431,069 | 0 | 0 | 431,069 |
| Alaskan In-Transit | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 27,929 | 27,929 |
| Total | -- | -- | 12,412 | -- | -- | -- | -- | 70,218 | -- | -- | -- | -- | -- | 585,638 | 13,333 | 74,799 | 756,400 |
| Total Stocks, All Oils (excl. Crude Oil) | | | | | | | | | | | | | | | | | |
| Refinery | 35,730 | 2,719 | 38,449 | 857 | 41,320 | 6,183 | 16,460 | 64,820 | 10,294 | 75,644 | 46,421 | 5,472 | 1,348 | 139,179 | 11,009 | 59,331 | 312,788 |
| Bulk Terminal | -- | -- | 119,691 | -- | -- | -- | -- | 86,905 | -- | -- | -- | -- | -- | 90,895 | 3,042 | 22,626 | 323,159 |
| Pipeline | -- | -- | 28,995 | -- | -- | -- | -- | 35,850 | -- | -- | -- | -- | -- | 41,313 | 2,581 | 4,441 | 113,180 |
| Natural Gas Processing Plant | 237 | 51 | 288 | 0 | 661 | 46 | 1,095 | 1,802 | 1,512 | 3,883 | 437 | 63 | 273 | 6,168 | 213 | 184 | 8,655 |
| Total | -- | -- | 187,423 | -- | -- | -- | -- | 189,377 | -- | -- | -- | -- | -- | 277,555 | 16,845 | 86,582 | 757,782 |
| Pentanes Plus | | | | | | | | | | | | | | | | | |
| Refinery | 13 | 0 | 13 | 0 | 36 | 80 | 152 | 268 | 102 | 249 | 132 | 16 | 7 | 506 | 21 | 17 | 825 |
| Bulk Terminal | -- | -- | 23 | -- | -- | -- | -- | 1,861 | -- | -- | -- | -- | -- | 3,583 | 1 | 0 | 5,468 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 404 | -- | -- | -- | -- | -- | 1,354 | 158 | 5 | 1,921 |
| Natural Gas Processing Plant | 4 | 8 | 12 | 0 | 42 | 16 | 261 | 319 | 436 | 519 | 138 | 20 | 41 | 1,154 | 86 | 30 | 1,601 |
| Total | -- | -- | 48 | -- | -- | -- | -- | 2,852 | -- | -- | -- | -- | -- | 6,597 | 266 | 52 | 9,815 |
| Liquefied Petroleum Gases | | | | | | | | | | | | | | | | | |
| Refinery | 887 | 11 | 898 | 241 | 2,497 | 153 | 714 | 3,605 | 221 | 1,065 | 1,691 | 50 | 27 | 3,054 | 354 | 736 | 8,647 |
| Bulk Terminal | -- | -- | 1,366 | -- | -- | -- | -- | 22,392 | -- | -- | -- | -- | -- | 60,076 | 118 | 1,953 | 85,905 |
| Pipeline | -- | -- | 1,642 | -- | -- | -- | -- | 6,165 | -- | -- | -- | -- | -- | 5,629 | 421 | 0 | 13,857 |
| Natural Gas Processing Plant | 233 | 43 | 276 | 0 | 616 | 30 | 834 | 1,480 | 910 | 3,363 | 299 | 41 | 232 | 4,845 | 127 | 154 | 6,882 |
| Total | -- | -- | 4,182 | -- | -- | -- | -- | 33,642 | -- | -- | -- | -- | -- | 73,604 | 1,020 | 2,843 | 115,291 |
| Ethane | | | | | | | | | | | | | | | | | |
| Refinery | 26 | 0 | 26 | 0 | 1 | 10 | 0 | 11 | 0 | 8 | 0 | 0 | 0 | 8 | 0 | 0 | 45 |
| Bulk Terminal | -- | -- | 0 | -- | -- | -- | -- | 2,639 | -- | -- | -- | -- | -- | 13,029 | 0 | 0 | 15,668 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1,307 | -- | -- | -- | -- | -- | 1,942 | 128 | 0 | 3,377 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 23 | 0 | 212 | 235 | 59 | 924 | 0 | 1 | 7 | 991 | 2 | 0 | 1,228 |
| Total | -- | -- | 26 | -- | -- | -- | -- | 4,192 | -- | -- | -- | -- | -- | 15,970 | 130 | 0 | 20,318 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---------------------------------------|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|---------------|-----------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | West Coast |
| Motor Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 5,303 | 98 | 5,401 | 30 | 5,306 | 701 | 1,818 | 7,855 | 1,358 | 9,727 | 5,934 | 130 | 294 | 17,443 | 1,533 | 6,908 | 39,140 |
| Bulk Terminal | -- | -- | 27 | -- | -- | -- | -- | 130 | -- | -- | -- | -- | -- | 600 | 1 | 199 | 957 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 18 | -- | -- | -- | -- | -- | 0 | 0 | 0 | 18 |
| Total | -- | -- | 5,428 | -- | -- | -- | -- | 8,003 | -- | -- | -- | -- | -- | 18,043 | 1,534 | 7,107 | 40,115 |
| Aviation Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 59 | 0 | 36 | 95 | 0 | 10 | 181 | 0 | 0 | 191 | 0 | 30 | 316 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 95 | -- | -- | -- | -- | -- | 191 | 0 | 30 | 316 |
| Total Finished Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 5,359 | 234 | 5,593 | 110 | 5,866 | 1,017 | 3,098 | 10,091 | 2,179 | 10,375 | 5,200 | 1,071 | 213 | 19,038 | 1,938 | 7,316 | 43,976 |
| Bulk Terminal | -- | -- | 39,435 | -- | -- | -- | -- | 31,525 | -- | -- | -- | -- | -- | 13,433 | 1,678 | 10,545 | 96,616 |
| Pipeline | -- | -- | 14,443 | -- | -- | -- | -- | 17,300 | -- | -- | -- | -- | -- | 19,254 | 1,083 | 1,788 | 53,868 |
| Total | -- | -- | 59,471 | -- | -- | -- | -- | 58,916 | -- | -- | -- | -- | -- | 51,725 | 4,699 | 19,649 | 194,460 |
| Finished Leaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 2,350 | 119 | 2,469 | 75 | 2,437 | 530 | 1,737 | 4,779 | 1,269 | 4,627 | 2,066 | 530 | 107 | 8,599 | 1,105 | 2,887 | 19,839 |
| Bulk Terminal | -- | -- | 18,017 | -- | -- | -- | -- | 15,604 | -- | -- | -- | -- | -- | 5,855 | 964 | 5,164 | 45,604 |
| Pipeline | -- | -- | 5,227 | -- | -- | -- | -- | 7,965 | -- | -- | -- | -- | -- | 7,943 | 628 | 708 | 22,471 |
| Total | -- | -- | 25,713 | -- | -- | -- | -- | 28,348 | -- | -- | -- | -- | -- | 22,397 | 2,697 | 8,759 | 87,914 |
| Finished Unleaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 3,009 | 115 | 3,124 | 35 | 3,429 | 487 | 1,361 | 5,312 | 910 | 5,748 | 3,134 | 541 | 106 | 10,439 | 833 | 4,429 | 24,137 |
| Bulk Terminal | -- | -- | 21,418 | -- | -- | -- | -- | 15,921 | -- | -- | -- | -- | -- | 7,578 | 714 | 5,381 | 51,012 |
| Pipeline | -- | -- | 9,216 | -- | -- | -- | -- | 9,335 | -- | -- | -- | -- | -- | 11,311 | 455 | 1,080 | 31,397 |
| Total | -- | -- | 33,758 | -- | -- | -- | -- | 30,568 | -- | -- | -- | -- | -- | 29,328 | 2,002 | 10,890 | 106,546 |
| Finished Aviation Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 46 | 0 | 46 | 0 | 97 | 0 | 13 | 110 | 77 | 305 | 143 | 0 | 0 | 525 | 40 | 256 | 977 |
| Bulk Terminal | -- | -- | 324 | -- | -- | -- | -- | 418 | -- | -- | -- | -- | -- | 106 | 10 | 368 | 1,226 |
| Pipeline | -- | -- | 12 | -- | -- | -- | -- | 81 | -- | -- | -- | -- | -- | 15 | 0 | 20 | 128 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 0 | 0 | 0 | 0 | 88 | 0 | 0 | 88 |
| Total | -- | -- | 382 | -- | -- | -- | -- | 609 | -- | -- | -- | -- | -- | 734 | 50 | 644 | 2,419 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|---|----------------|----------------|--------|-----------------|-----------------|--------------------|-------------------|--------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|---------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | Dist. V |
| | | | | | | | | | | | | | | | | | |
| Propane for Petrochemical Feedstock Use | | | | | | | | | | | | | | | | | |
| Refinery | 67 | 0 | 67 | 0 | 100 | 0 | 2 | 102 | 4 | 8 | 140 | 0 | 0 | 152 | 0 | 0 | 321 |
| Total | -- | -- | 67 | -- | -- | -- | -- | 102 | -- | -- | -- | -- | -- | 152 | 0 | 0 | 321 |
| Propane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 742 | 6 | 748 | 1 | 1,600 | 26 | 225 | 1,852 | 68 | 84 | 1,101 | 4 | 3 | 1,260 | 178 | 303 | 4,341 |
| Bulk Terminal | -- | -- | 1,112 | -- | -- | -- | -- | 15,897 | -- | -- | -- | -- | -- | 30,734 | 117 | 552 | 48,412 |
| Pipeline | -- | -- | 1,519 | -- | -- | -- | -- | 3,510 | -- | -- | -- | -- | -- | 2,565 | 170 | 0 | 7,764 |
| Natural Gas Processing Plant | 206 | 42 | 248 | 0 | 476 | 18 | 418 | 912 | 501 | 1,051 | 166 | 18 | 128 | 1,864 | 82 | 136 | 3,242 |
| Total | -- | -- | 3,627 | -- | -- | -- | -- | 22,171 | -- | -- | -- | -- | -- | 36,423 | 547 | 991 | 63,759 |
| Normal Butane For Petro. Feed Use | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 29 | 0 | 7 | 0 | 1 | 0 | 8 | 5 | 2 | 44 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 29 | -- | -- | -- | -- | -- | 8 | 5 | 2 | 44 |
| Normal Butane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 52 | 5 | 57 | 212 | 539 | 52 | 339 | 1,142 | 91 | 784 | 205 | 26 | 16 | 1,122 | 117 | 413 | 2,851 |
| Bulk Terminal | -- | -- | 234 | -- | -- | -- | -- | 2,789 | -- | -- | -- | -- | -- | 11,011 | 1 | 1,188 | 15,223 |
| Pipeline | -- | -- | 123 | -- | -- | -- | -- | 833 | -- | -- | -- | -- | -- | 726 | 81 | 0 | 1,763 |
| Natural Gas Processing Plant | 26 | 0 | 26 | 0 | 84 | 10 | 147 | 241 | 283 | 901 | 83 | 14 | 83 | 1,364 | 38 | 12 | 1,681 |
| Total | -- | -- | 440 | -- | -- | -- | -- | 5,005 | -- | -- | -- | -- | -- | 14,223 | 237 | 1,613 | 21,518 |
| Isobutane | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 28 | 257 | 36 | 148 | 469 | 58 | 174 | 245 | 19 | 8 | 504 | 54 | 18 | 1,045 |
| Bulk Terminal | -- | -- | 20 | -- | -- | -- | -- | 1,067 | -- | -- | -- | -- | -- | 5,302 | 0 | 213 | 6,602 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 515 | -- | -- | -- | -- | -- | 396 | 42 | 0 | 953 |
| Natural Gas Processing Plant | 1 | 1 | 2 | 0 | 33 | 2 | 57 | 92 | 67 | 487 | 50 | 8 | 14 | 626 | 5 | 6 | 731 |
| Total | -- | -- | 22 | -- | -- | -- | -- | 2,143 | -- | -- | -- | -- | -- | 6,828 | 101 | 237 | 9,331 |
| Other Hydrocarbons and Alcohol | | | | | | | | | | | | | | | | | |
| Refinery | 117 | 0 | 117 | 0 | 119 | 0 | 1 | 120 | 1 | 88 | 2 | 0 | 0 | 91 | 0 | 6 | 334 |
| Total | -- | -- | 117 | -- | -- | -- | -- | 120 | -- | -- | -- | -- | -- | 91 | 0 | 6 | 334 |
| Unfinished Oils | | | | | | | | | | | | | | | | | |
| Refinery | 3,236 | 121 | 3,357 | 46 | 2,857 | 137 | 1,055 | 4,095 | 681 | 7,590 | 5,511 | 241 | 38 | 14,061 | 388 | 4,982 | 26,883 |
| Naphthas and Lighter | 2,411 | 4 | 2,415 | 0 | 2,159 | 4 | 552 | 2,715 | 806 | 6,537 | 2,387 | 57 | 40 | 9,827 | 630 | 3,516 | 19,103 |
| Kerosene and Lighter Gas Oils | 5,076 | 287 | 5,363 | 113 | 5,443 | 245 | 1,731 | 7,532 | 962 | 9,773 | 7,735 | 387 | 136 | 18,993 | 972 | 11,124 | 43,984 |
| Heavy Gas Oils | 1,037 | 272 | 1,309 | 2 | 2,823 | 4 | 1,311 | 4,140 | 489 | 3,378 | 3,425 | 58 | 0 | 7,350 | 702 | 5,000 | 18,501 |
| Residuum | 11,760 | 684 | 12,444 | 161 | 13,282 | 390 | 4,649 | 18,482 | 2,938 | 27,278 | 19,058 | 743 | 214 | 50,231 | 2,692 | 24,622 | 108,471 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | | | |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|----------|-------------|-------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La.. Ark. | New Mexico | Total | Rocky Mt. | | Dist. IV | PAD Dist. V | |
| | | | | | | | | | | | | | | | | | | West Coast | Coast |
| Naphtha-Type Jet Fuel | | | | | | | | | | | | | | | | | | | |
| Refinery | 121 | 25 | 146 | 0 | 421 | 91 | 145 | 657 | 434 | 960 | 409 | 153 | 124 | 2,080 | 215 | 752 | 3,850 | | |
| Bulk Terminal | -- | -- | 500 | -- | -- | -- | -- | 651 | -- | -- | -- | -- | -- | 156 | 13 | 505 | 1,825 | | |
| Pipeline | -- | -- | 175 | -- | -- | -- | -- | 158 | -- | -- | -- | -- | -- | 478 | 128 | 402 | 1,341 | | |
| Total | -- | -- | 821 | -- | -- | -- | -- | 1,466 | -- | -- | -- | -- | -- | 2,714 | 356 | 1,659 | 7,016 | | |
| Kerosene-Type Jet Fuel | | | | | | | | | | | | | | | | | | | |
| Refinery | 1,027 | 0 | 1,027 | 39 | 1,339 | 190 | 303 | 1,871 | 412 | 3,108 | 2,944 | 9 | 74 | 6,547 | 370 | 2,883 | 12,698 | | |
| Bulk Terminal | -- | -- | 4,284 | -- | -- | -- | -- | 5,392 | -- | -- | -- | -- | -- | 1,919 | 205 | 1,747 | 13,547 | | |
| Pipeline | -- | -- | 4,130 | -- | -- | -- | -- | 2,612 | -- | -- | -- | -- | -- | 4,401 | 189 | 631 | 11,963 | | |
| Total | -- | -- | 9,441 | -- | -- | -- | -- | 9,875 | -- | -- | -- | -- | -- | 12,867 | 764 | 5,261 | 38,208 | | |
| Kerosene | | | | | | | | | | | | | | | | | | | |
| Refinery | 230 | 99 | 329 | 0 | 535 | 33 | 371 | 939 | 66 | 536 | 556 | 83 | 14 | 1,255 | 0 | 197 | 2,720 | | |
| Bulk Terminal | -- | -- | 3,356 | -- | -- | -- | -- | 1,300 | -- | -- | -- | -- | -- | 711 | 31 | 29 | 5,427 | | |
| Pipeline | -- | -- | 182 | -- | -- | -- | -- | 178 | -- | -- | -- | -- | -- | 480 | 0 | 0 | 840 | | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | | |
| Total | -- | -- | 3,867 | -- | -- | -- | -- | 2,417 | -- | -- | -- | -- | -- | 2,448 | 31 | 226 | 8,989 | | |
| Distillate Fuel Oils | | | | | | | | | | | | | | | | | | | |
| Refinery | 5,130 | 399 | 5,529 | 88 | 6,289 | 1,679 | 3,260 | 11,316 | 1,138 | 10,032 | 4,109 | 1,330 | 177 | 16,786 | 1,938 | 5,180 | 40,749 | | |
| Bulk Terminal | -- | -- | 43,614 | -- | -- | -- | -- | 18,494 | -- | -- | -- | -- | -- | 6,303 | 806 | 4,651 | 73,868 | | |
| Pipeline | -- | -- | 8,406 | -- | -- | -- | -- | 8,800 | -- | -- | -- | -- | -- | 9,437 | 602 | 1,351 | 28,596 | | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | | |
| Total | -- | -- | 57,549 | -- | -- | -- | -- | 38,610 | -- | -- | -- | -- | -- | 32,527 | 3,346 | 11,182 | 143,214 | | |
| Residual Fuel Oils | | | | | | | | | | | | | | | | | | | |
| Refinery | 2,113 | 67 | 2,180 | 39 | 1,510 | 319 | 188 | 2,056 | 394 | 4,067 | 2,194 | 147 | 16 | 6,818 | 539 | 6,267 | 17,860 | | |
| Bulk Terminal | -- | -- | 22,824 | -- | -- | -- | -- | 1,441 | -- | -- | -- | -- | -- | 3,020 | 0 | 1,680 | 28,965 | | |
| Pipeline | -- | -- | 5 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 141 | 146 | | |
| Total | -- | -- | 25,009 | -- | -- | -- | -- | 3,497 | -- | -- | -- | -- | -- | 9,838 | 539 | 8,088 | 46,971 | | |
| Naphtha < 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | | | |
| Refinery | 264 | 0 | 264 | 0 | 92 | 0 | 61 | 153 | 76 | 757 | 475 | 46 | 0 | 1,354 | 0 | 79 | 1,850 | | |
| Total | 264 | 0 | 264 | 0 | 92 | 0 | 61 | 153 | 76 | 757 | 475 | 46 | 0 | 1,354 | 0 | 79 | 1,850 | | |
| Other Oils > 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | | | |
| Refinery | 4 | 0 | 4 | 0 | 27 | 0 | 0 | 27 | 315 | 992 | 180 | 0 | 0 | 1,487 | 7 | 84 | 1,609 | | |
| Total | 4 | 0 | 4 | 0 | 27 | 0 | 0 | 27 | 315 | 992 | 180 | 0 | 0 | 1,487 | 7 | 84 | 1,609 | | |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, September 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States |
|------------------------------------|----------------|----------------|---------|-----------------|-----------------|--------------------|------------------|---------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | |
| Special Naphthas | | | | | | | | | | | | | | | | |
| Refinery | 18 | 31 | 49 | 0 | 136 | 0 | 160 | 296 | 24 | 1,190 | 100 | 120 | 0 | 1,434 | 9 | 223 |
| Bulk Terminal | -- | -- | 562 | -- | -- | -- | -- | 142 | -- | -- | -- | -- | -- | 34 | 0 | 28 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 64 | 0 | 0 |
| Total | -- | -- | 611 | -- | -- | -- | -- | 438 | -- | -- | -- | -- | -- | 1,532 | 9 | 251 |
| Lubricants | | | | | | | | | | | | | | | | |
| Refinery | 1,115 | 898 | 2,013 | 0 | 830 | 0 | 573 | 1,403 | 29 | 3,573 | 1,647 | 597 | 0 | 5,846 | 67 | 429 |
| Bulk Terminal | -- | -- | 1,172 | -- | -- | -- | -- | 686 | -- | -- | -- | -- | -- | 267 | 2 | 635 |
| Total | -- | -- | 3,185 | -- | -- | -- | -- | 2,089 | -- | -- | -- | -- | -- | 6,113 | 69 | 1,064 |
| Waxes | | | | | | | | | | | | | | | | |
| Refinery | 0 | 82 | 82 | 0 | 30 | 0 | 42 | 72 | 13 | 224 | 119 | 48 | 0 | 404 | 12 | 39 |
| Total | -- | -- | 82 | -- | -- | -- | -- | 72 | -- | -- | -- | -- | -- | 404 | 12 | 39 |
| Petroleum Coke | | | | | | | | | | | | | | | | |
| Refinery | 865 | 0 | 865 | 0 | 350 | 288 | 132 | 770 | 0 | 394 | 898 | 206 | 0 | 1,498 | 169 | 1,655 |
| Total | 865 | 0 | 865 | 0 | 350 | 288 | 132 | 770 | 0 | 394 | 898 | 206 | 0 | 1,498 | 169 | 1,655 |
| Asphalt and Road Oil | | | | | | | | | | | | | | | | |
| Refinery | 1,217 | 72 | 1,289 | 148 | 2,391 | 1,238 | 734 | 4,511 | 486 | 324 | 419 | 668 | 188 | 2,085 | 1,084 | 1,508 |
| Bulk Terminal | -- | -- | 2,150 | -- | -- | -- | -- | 2,442 | -- | -- | -- | -- | -- | 500 | 174 | 160 |
| Total | -- | -- | 3,439 | -- | -- | -- | -- | 6,953 | -- | -- | -- | -- | -- | 2,585 | 1,258 | 1,668 |
| Miscellaneous Products | | | | | | | | | | | | | | | | |
| Refinery | 141 | 19 | 160 | 1 | 108 | 4 | 10 | 123 | 31 | 390 | 30 | 55 | 0 | 506 | 21 | 144 |
| Bulk Terminal | -- | -- | 54 | -- | -- | -- | -- | 31 | -- | -- | -- | -- | -- | 187 | 3 | 126 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 134 | -- | -- | -- | -- | -- | 265 | 0 | 103 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 12 | 0 | 0 | 2 | 0 | 14 | 0 | 17 |
| Total | -- | -- | 214 | -- | -- | -- | -- | 291 | -- | -- | -- | -- | -- | 972 | 24 | 373 |
| Total Stocks, All Oils | | | | | | | | | | | | | | | | |
| | -- | -- | 199,835 | -- | -- | -- | -- | 259,595 | -- | -- | -- | -- | -- | 863,193 | 30,178 | 161,381 |
| | | | | | | | | | | | | | | | | 1,514,182 |

¹ Includes 33,879 thousand barrels of domestic crude oil.

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable.

Table 25. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, September 30, 1984
(Thousand Barrels)

| State | Leaded Motor Gasoline | Unleaded Motor Gasoline | Kerosene | Distillate Fuel Oil | Residual Fuel Oil |
|-------------------------------|-----------------------------|-------------------------------|--------------|---------------------------|-------------------------|
| PAD District I Total | 20,486 | 24,542 | 3,685 | 49,143 | 25,004 |
| Connecticut | 666 | 669 | 117 | 2,358 | 376 |
| Delaware, D.C., Maryland | 948 | 1,620 | 162 | 3,713 | 3,211 |
| Florida | 2,065 | 3,064 | 262 | 1,940 | 969 |
| Georgia | 1,358 | 1,539 | 113 | 1,502 | 546 |
| Maine | 352 | 546 | 53 | 1,586 | 797 |
| Massachusetts | 1,124 | 1,182 | 71 | 3,746 | 872 |
| New Hampshire, Vermont | 82 | 72 | w | 652 | 292 |
| New Jersey | 2,981 | 3,780 | 684 | 12,298 | 9,723 |
| New York | 3,822 | 2,986 | 542 | 8,122 | 3,234 |
| North Carolina | 1,397 | 1,558 | 484 | 1,804 | 559 |
| Pennsylvania | 2,700 | 3,920 | 684 | 5,639 | 2,429 |
| Rhode Island | 244 | 531 | w | 1,667 | 160 |
| South Carolina | 827 | 1,048 | 128 | 1,315 | 580 |
| Virginia | 1,702 | 1,787 | 280 | 2,520 | 1,215 |
| West Virginia | 218 | 240 | 33 | 281 | 41 |
| PAD District II Total | 20,383 | 21,233 | 2,239 | 29,810 | 3,497 |
| Illinois | 3,812 | 4,396 | 289 | 5,569 | 824 |
| Indiana | 2,585 | 3,255 | 397 | 4,850 | 533 |
| Iowa | 693 | 689 | w | 1,076 | w |
| Kansas | 1,540 | 1,429 | 28 | 1,990 | 76 |
| Kentucky | 1,098 | 1,267 | 207 | 1,381 | 175 |
| Michigan | 1,984 | 2,008 | 222 | 2,856 | 382 |
| Minnesota | 1,058 | 773 | w | 1,598 | 303 |
| Missouri | 771 | 643 | w | 745 | w |
| Nebraska | 395 | 258 | 0 | 239 | 0 |
| North & South Dakota | 390 | 372 | 0 | 943 | w |
| Ohio | 2,512 | 2,693 | 592 | 3,303 | 437 |
| Oklahoma | 1,315 | 1,076 | 349 | 2,397 | 144 |
| Tennessee | 1,106 | 1,325 | 81 | 1,027 | 184 |
| Wisconsin | 1,124 | 1,049 | w | 1,836 | 169 |
| PAD District III Total | 14,454 | 18,017 | 1,956 | 23,089 | 9,838 |
| Alabama | 856 | 897 | 107 | 1,025 | 631 |
| Arkansas | 274 | 221 | w | 259 | 41 |
| Louisiana | 1,805 | 3,210 | 561 | 4,278 | 3,116 |
| Mississippi | 1,432 | 1,529 | 23 | 1,759 | 459 |
| New Mexico | 261 | 238 | w | 263 | 16 |
| Texas | 9,826 | 11,922 | 1,257 | 15,505 | 5,575 |
| PAD District IV Total | 2,069 | 1,547 | 31 | 2,744 | 539 |
| Colorado | 565 | 506 | 0 | 437 | 144 |
| Idaho | 150 | 67 | 0 | 172 | 0 |
| Montana | 615 | 355 | w | 815 | 90 |
| Utah | 349 | 219 | 0 | 534 | 174 |
| Wyoming | 390 | 400 | w | 786 | 131 |
| PAD District V Total | 8,051 | 9,810 | 226 | 9,831 | 7,947 |
| Alaska | 484 | 236 | w | 1,126 | w |
| Arizona | 439 | 373 | w | 233 | 0 |
| California | 4,498 | 6,574 | 113 | 5,229 | 5,702 |
| Hawaii | 245 | 242 | 0 | 279 | w |
| Nevada | 182 | 249 | w | 94 | w |
| Oregon | 624 | 568 | w | 779 | 285 |
| Washington | 1,579 | 1,568 | w | 2,091 | 1,136 |
| United States Total | 65,443 | 75,149 | 8,147 | 114,617 | 46,825 |

Table 26. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge between PAD Districts, September 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------|-----|---|------------|-----|----|---|---|-------------|----|---|----|-----|------------|---|----|-----|----|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | II | III | V | I | III | IV | V | I | II | IV | V | II | III | V | I | II | III | IV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Crude Oil (Tanker and Barge only) | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

See footnotes at end of table.

Table 27. Movements of Petroleum Products by Pipeline between PAD Districts, September 1984
(Thousand Barrels)

| Commodity | From I to | | From II to | | | | From III to | | | | From IV to | | | | From V to | | | |
|---|-----------|-----|------------|-------|-------|--------|-------------|----|-------|-------|------------|-----|----|-----|-----------|-----|----|---|
| | II | III | I | III | IV | I | II | IV | V | II | III | V | II | III | V | III | IV | |
| | | | | | | | | | | | | | | | | | | |
| Pentanes Plus | 0 | 0 | 0 | 1,077 | 0 | 0 | 1,318 | 0 | 0 | 128 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 1,158 | 5,356 | 71 | 1,749 | 7,444 | 0 | 0 | 701 | 642 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 4,381 | 0 | 982 | 1,778 | 1,352 | 34,057 | 14,162 | 0 | 849 | 571 | 0 | 636 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 2,058 | 0 | 254 | 867 | 712 | 11,836 | 6,820 | 0 | 438 | 343 | 0 | 427 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 2,323 | 0 | 728 | 911 | 640 | 22,221 | 7,342 | 0 | 411 | 228 | 0 | 209 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 10 | 0 | 0 | 0 | 27 | 39 | 136 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 140 | 0 | 0 | 59 | 0 | 419 | 26 | 0 | 244 | 63 | 0 | 116 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 35 | 0 | 94 | 32 | 541 | 7,273 | 2,034 | 0 | 149 | 4 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 1,539 | 0 | 0 | 0 | 0 | 284 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 0 | 0 | 232 | 444 | 208 | 13,539 | 4,337 | 0 | 289 | 356 | 0 | 160 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 6,105 | 0 | 2,560 | 8,746 | 2,199 | 57,360 | 29,457 | 0 | 1,531 | 1,823 | 756 | 976 | 0 | 0 | 0 | 0 | 0 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 28. Movements of Crude Oil and Petroleum Products by Tanker and Barge between PAD Districts, September 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | | From V to | | |
|---|--------------|------------|----------|------------|------------|----------|---------------|--------------|--------------|---------------|--------------|-----------|---------------|
| | II | III | V | I | III | V | I | New Eng | Cent Atl | Low Atl | II | V | I |
| Crude Oil | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Petroleum Products | 2,768 | 196 | 0 | 615 | 156 | 0 | 17,683 | 1,646 | 2,683 | 13,354 | 2,311 | 12 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 116 | 0 | 0 | 116 | 0 | 0 | 0 |
| Unfinished Oils | 10 | 0 | 0 | 0 | 0 | 0 | 406 | 0 | 275 | 131 | 334 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 174 | 0 | 0 | 174 | 30 | 0 | 0 |
| Finished Motor Gasoline | 1,648 | 0 | 0 | 247 | 0 | 0 | 9,881 | 600 | 548 | 8,733 | 613 | 0 | 0 |
| Finished Leaded Motor Gasoline | 907 | 0 | 0 | 100 | 0 | 0 | 3,056 | 76 | 0 | 2,980 | 248 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 741 | 0 | 0 | 147 | 0 | 0 | 6,825 | 524 | 548 | 5,753 | 365 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 19 | 61 | 138 | 4 | 0 | 0 |
| Naphtha-Type Jet Fuel | 140 | 40 | 0 | 29 | 0 | 0 | 65 | 0 | 0 | 65 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 173 | 0 | 0 | 9 | 0 | 0 | 2,146 | 80 | 341 | 1,725 | 271 | 0 | 0 |
| Kerosene | 61 | 0 | 0 | 0 | 0 | 0 | 91 | 0 | 72 | 19 | 0 | 0 | 0 |
| Distillate Fuel Oil | 620 | 0 | 0 | 63 | 0 | 0 | 3,153 | 947 | 608 | 1,598 | 276 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 98 | 43 | 0 | 342 | 0 | 70 | 272 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. Feed. Use | 61 | 100 | 0 | 7 | 0 | 0 | 101 | 0 | 101 | 0 | 19 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 183 | 0 | 36 | 147 | 142 | 0 | 0 |
| Lubricants | 0 | 37 | 0 | 36 | 37 | 0 | 600 | 0 | 459 | 141 | 202 | 12 | 0 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 0 | 0 | 118 | 0 | 0 | 145 | 0 | 50 | 95 | 401 | 0 | 0 |
| Miscellaneous Products | 55 | 19 | 0 | 8 | 76 | 0 | 57 | 0 | 57 | 0 | 19 | 0 | 0 |
| Total | 2,787 | 196 | 0 | 615 | 156 | 0 | 17,683 | 1,646 | 2,683 | 13,354 | 2,311 | 12 | 1,876 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 0 |
| | | | | | | | | | | | | | 16,921 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 29. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker and Barge between PAD Districts, September 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | PAD District III | | | PAD District IV | | | PAD District V | | |
|--|----------------------|-----------------------|--------------------------|-----------------------|------------------------|---------------------------|------------------------|-------------------------|----------------------------|-----------------------|------------------------|---------------------------|----------------------|-----------------------|--------------------------|
| | Receipts into PADD I | Shipments from PADD I | Net Receipts into PADD I | Receipts into PADD II | Shipments from PADD II | Net Receipts into PADD II | Receipts into PADD III | Shipments from PADD III | Net Receipts into PADD III | Receipts into PADD IV | Shipments from PADD IV | Net Receipts into PADD IV | Receipts into PADD V | Shipments from PADD V | Net Receipts into PADD V |
| Crude Oil (Tanker and Barge only) | 1,876 | 19 | 1,857 | 19 | 0 | 19 | 16,881 | 0 | 16,881 | 0 | 0 | 0 | 0 | 18,757 | -18,757 |
| Petroleum Products | 78,218 | 9,069 | 69,149 | 42,464 | 14,276 | 28,188 | 9,894 | 108,354 | -98,460 | 2,199 | 3,555 | -1,356 | 2,519 | 40 | 2,479 |
| Pentanes Plus | 0 | 0 | 0 | 1,446 | 1,077 | 369 | 1,191 | 1,318 | -127 | 0 | 242 | -242 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 3,023 | 0 | 3,023 | 8,145 | 6,585 | 1,560 | 5,998 | 9,309 | -3,311 | 71 | 1,343 | -1,272 | 0 | 0 | 0 |
| Unfinished Oils | 406 | 10 | 396 | 344 | 0 | 344 | 0 | 740 | -740 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 174 | 0 | 174 | 30 | 0 | 30 | 0 | 204 | -204 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 45,167 | 6,029 | 39,138 | 21,375 | 4,359 | 17,016 | 1,778 | 59,562 | -57,784 | 1,352 | 1,207 | 145 | 1,485 | 0 | 1,485 |
| Finished Leaded Motor Gasoline | 15,246 | 2,965 | 12,281 | 10,376 | 1,933 | 8,443 | 867 | 22,398 | -21,531 | 712 | 770 | -58 | 865 | 0 | 865 |
| Finished Unleaded Motor Gasoline | 29,921 | 3,064 | 26,857 | 10,999 | 2,426 | 8,573 | 911 | 37,164 | -36,253 | 640 | 437 | 203 | 620 | 0 | 620 |
| Finished Aviation Gasoline | 257 | 10 | 247 | 150 | 27 | 123 | 0 | 397 | -397 | 27 | 0 | 27 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 513 | 180 | 333 | 229 | 88 | 141 | 99 | 754 | -655 | 0 | 179 | -179 | 360 | 0 | 360 |
| Kerosene-Type Jet Fuel | 9,522 | 313 | 9,209 | 2,622 | 676 | 1,946 | 32 | 11,873 | -11,841 | 541 | 68 | 473 | 213 | 0 | 213 |
| Kerosene | 375 | 96 | 279 | 96 | 0 | 96 | 0 | 375 | -375 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 16,987 | 2,159 | 14,828 | 7,128 | 947 | 6,181 | 444 | 21,594 | -21,150 | 208 | 516 | -308 | 449 | 0 | 449 |
| Residual Fuel Oil | 440 | 0 | 440 | 0 | 141 | -141 | 43 | 342 | -299 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. | 108 | 161 | -53 | 80 | 7 | 73 | 100 | 120 | -20 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feedstock Use | 183 | 0 | 183 | 142 | 0 | 142 | 0 | 325 | -325 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 636 | 37 | 599 | 202 | 73 | 129 | 114 | 814 | -700 | 0 | 0 | 0 | 12 | 40 | -28 |
| Lubricants | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | -5 | 0 | 0 | 0 | 0 | 0 | 0 |
| Waxes | 263 | 0 | 263 | 401 | 118 | 283 | 0 | 546 | -546 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 159 | 74 | 85 | 74 | 178 | -104 | 95 | 76 | 19 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total All Products | 80,094 | 9,088 | 71,006 | 42,483 | 14,276 | 28,207 | 26,775 | 108,354 | -81,579 | 2,199 | 3,555 | -1,356 | 2,519 | 18,797 | -16,278 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 30. Production of Residual Fuel Oil by Sulfur Content, September 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | | PAD District IV | | United States | | | |
|---------------------------------|----------------|----------------|-------|-----------------|-----------------|---------------------|-------------------|------------------|--------------|------------------|----------------|---------------|-----------------|--------|---------------|-----------|--------------------|-------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. V West Coast | |
| Residual Fuel Oil | 3,526 | 61 | 3,587 | 68 | 1,251 | 225 | 201 | 1,745 | 706 | 6,556 | 2,889 | 213 | 5 | 10,369 | 307 | 9,819 | 25,827 | |
| 0.00 to 0.30% Sulfur | 738 | 14 | 752 | 0 | 90 | 0 | 0 | 90 | 33 | 164 | 397 | 88 | 5 | 5 | 687 | 71 | 433 | 2,033 |
| 0.31 to 1.00% Sulfur | 2,603 | 2 | 2,605 | 30 | 298 | 0 | 85 | 413 | 572 | 1,048 | 1,541 | 95 | 0 | 3,256 | 53 | 2,432 | 8,759 | |
| Greater Than 1.00% Sulfur | 185 | 45 | 230 | 38 | 863 | 225 | 116 | 1,242 | 101 | 5,344 | 951 | 30 | 0 | 6,426 | 183 | 6,954 | 15,035 | |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 31. Stocks of Residual Fuel Oil by Sulfur Content, September 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | | United States | |
|---|----------------|----------------|--------|-----------------|-----------------|---------------------|------------------|-------|------------------|------------------|----------------|---------------|-----------------|-------|-----------|---------------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | Dist. V West Coast |
| Residual Fuel Oil -- 0.00 to 0.30% Sulfur | | | | | | | | | | | | | | | | | |
| Refinery | 428 | 12 | 440 | 0 | 78 | 4 | 0 | 82 | 86 | 51 | 210 | 14 | 11 | 372 | 81 | 345 | 1,320 |
| Refinery | -- | -- | 4,809 | -- | -- | -- | -- | 136 | -- | -- | -- | -- | -- | -- | 0 | 0 | 4,945 |
| Bulk Terminal | -- | -- | 5,249 | -- | -- | -- | -- | 218 | -- | -- | -- | -- | -- | 372 | 81 | 345 | 6,265 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Residual Fuel Oil -- 0.31 to 1.00% Sulfur | | | | | | | | | | | | | | | | | |
| Refinery | 1,082 | 3 | 1,085 | 36 | 441 | 0 | 123 | 600 | 138 | 784 | 980 | 77 | 0 | 1,979 | 108 | 1,455 | 5,227 |
| Refinery | -- | -- | 8,542 | -- | -- | -- | -- | 324 | -- | -- | -- | -- | -- | 1,514 | 0 | 295 | 10,675 |
| Bulk Terminal | -- | -- | 9,627 | -- | -- | -- | -- | 924 | -- | -- | -- | -- | -- | 3,493 | 108 | 1,750 | 15,902 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Residual Fuel Oil -- Greater than 1.00% Sulfur | | | | | | | | | | | | | | | | | |
| Refinery | 603 | 52 | 655 | 3 | 991 | 315 | 65 | 1,374 | 170 | 3,232 | 1,004 | 56 | 5 | 4,467 | 350 | 4,467 | 11,313 |
| Refinery | -- | -- | 9,473 | -- | -- | -- | -- | 981 | -- | -- | -- | -- | -- | 1,506 | 0 | 1,385 | 13,345 |
| Bulk Terminal | -- | -- | 10,128 | -- | -- | -- | -- | 2,355 | -- | -- | -- | -- | -- | 5,973 | 350 | 5,852 | 24,658 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Source: See Explanatory Notes on Data Collection and Estimation.
-- Not Applicable

Table 32. Movements of Residual Fuel Oil by Tanker and Barge between PAD Districts, by Sulfur Content, September 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | | | From V to | | | |
|---------------------------------|-----------|-----|---|------------|-----|----|-------------|---------|----------|---------|-----|-----------|---|----|-----|
| | II | III | V | I | III | V | I | New Eng | Cent Atl | Low Atl | II | V | I | II | III |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 98 | 43 | 0 | 342 | 0 | 70 | 272 | 0 | 0 | 0 | 0 |
| 0.00 to 0.30% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 0 | 70 | 0 | 0 | 0 | 0 | 0 |
| Greater Than 1.00% Sulfur | 0 | 0 | 0 | 0 | 98 | 43 | 0 | 272 | 0 | 0 | 272 | 0 | 0 | 0 | 0 |

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, September 1984
(Thousand Barrels)

| Country | Residual Fuel Oil | | | Total |
|----------------------------------|-------------------|------------------|-----------------------|-------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| Arab OPEC | | | | |
| Algeria | 588 | 352 | 0 | 940 |
| Iraq | 0 | 0 | 0 | 0 |
| Kuwait | 0 | 0 | 334 | 334 |
| Libya | 0 | 0 | 0 | 0 |
| Qatar | 0 | 0 | 0 | 0 |
| Saudi Arabia | 0 | 0 | 0 | 0 |
| United Arab Emirates | 0 | 0 | 546 | 546 |
| Subtotal Arab OPEC | 588 | 352 | 880 | 1,820 |
| Other OPEC | | | | |
| Ecuador | 0 | 0 | 178 | 178 |
| Gabon | 0 | 0 | 0 | 0 |
| Indonesia | 0 | 86 | 46 | 132 |
| Iran | 0 | 0 | 0 | 0 |
| Nigeria | 163 | 449 | 0 | 612 |
| Venezuela | 1,038 | 1,069 | 2,650 | 4,757 |
| Subtotal Other OPEC | 1,201 | 1,604 | 2,874 | 5,679 |
| Other | | | | |
| Angola | 0 | 0 | 0 | 0 |
| Australia | 0 | 0 | 9 | 9 |
| Bahamas | 655 | 210 | 423 | 1,288 |
| Bolivia | 0 | 0 | 0 | 0 |
| Brazil | 947 | 0 | 0 | 947 |
| Brunei | 0 | 0 | 0 | 0 |
| Canada | 71 | 50 | 100 | 220 |
| Congo | 0 | 185 | 0 | 185 |
| Egypt | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 0 | 0 |
| Ghana | 0 | 0 | 0 | 0 |
| Liberia | 0 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 |
| Mexico | 1 | 0 | 602 | 604 |
| Netherlands | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 275 | 0 | 2,366 | 2,641 |
| Norway | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 272 | 272 |
| Puerto Rico | 0 | 0 | 0 | 0 |
| Romania | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 0 |
| Syria | 0 | 0 | 0 | 0 |
| Trinidad | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 |
| United Kingdom | 0 | 0 | 0 | 0 |
| Virgin Islands | 1,432 | 1,659 | 620 | 3,711 |
| Yugoslavia | 0 | 0 | 0 | 0 |
| Zaire | 0 | 0 | 0 | 0 |

See footnotes at end of table.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, September 1984
 (Thousand Barrels)
 (continued)

| Country | Residual Fuel Oil | | |
|--------------------------------|-------------------|------------------|-----------------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% |
| Other | | | |
| Other Western Hemisphere | 0 | 0 | 0 |
| Other Eastern Hemisphere | (s) | 177 | 313 |
| Subtotal Other | 3,381 | 2,280 | 4,705 |
| Total Imports | 5,170 | 4,236 | 8,460 |
| | | | 17,866 |

(s) = Less than 500 barrels.
 Note: Total may not equal sum of components due to independent rounding.
 Source: See Explanatory Notes on Data Collection and Estimation.

Table 34. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, September 1984
 (Thousand Barrels)

| State | Residual Fuel Oil | | |
|-------------------------|-------------------|------------------|-----------------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% |
| PAD District I | 4,281 | 3,623 | 6,997 |
| Florida | 225 | 875 | 361 |
| Georgia | 0 | 0 | 15 |
| Maine | 0 | 220 | 533 |
| Maryland | 0 | 0 | 483 |
| Massachusetts | 0 | 0 | 1,210 |
| New Hampshire | 0 | 0 | 85 |
| New Jersey | 616 | 1,098 | 1,747 |
| New York | 3,006 | 1,082 | 2,011 |
| North Carolina | 0 | 0 | 134 |
| Pennsylvania | 149 | 349 | 0 |
| South Carolina | 0 | 0 | 90 |
| Vermont | 11 | 0 | 11 |
| Virginia | 275 | 0 | 328 |
| PAD District II | 49 | 0 | 18 |
| Michigan | 49 | 0 | 49 |
| Minnesota | 0 | 0 | 12 |
| North Dakota | 1 | 0 | 6 |
| PAD District III | 839 | 347 | 1,361 |
| Louisiana | 0 | 0 | 174 |
| Texas | 839 | 347 | 1,187 |
| PAD District IV | 1 | 0 | 6 |
| Montana | 1 | 0 | 6 |
| PAD District V | (s) | 266 | 78 |
| California | 0 | 0 | 2 |
| Hawaii | (s) | 263 | 76 |
| Washington | 0 | 3 | 0 |
| All PAD Districts | 5,170 | 4,236 | 8,460 |
| | | | 17,866 |

(s) = Less than 500 barrels.
 Note: Total may not equal sum of components due to independent rounding.
 Source: See Explanatory Notes on Data Collection and Estimation.

Glossary



[illegible]

Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}-(\text{CH})_n-\text{OH}$. Alcohol includes methanol and ethanol.

Alkylation. A refinery process for chemically combining isoparaffin with olefin hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr } 60\text{F}/60\text{F}} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene.

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation gasoline.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt and wax to barrels are given in the definitions for these products.

Barrels Per Calendar Day. See *Operable Capacity*.

Barrels Per Stream Day. See *Operable Capacity*.

Bi-Metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g. platinum, rhenium).

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon. (C_4H_{10}). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C_4H_8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil.

Catalytic Hydrocracking. A refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. naphthas, reformer feeds and heavy gas oils) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the conversion of low-octane gasoline fractions into higher octane stocks suitable for blending into finished gasoline; also the conversion of naphthas to obtain a more volatile product of higher octane number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g. platinum, alumina).

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. In-

cludes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite and oil shale. Drip gases are also included, but topped crude oil (residual) oil and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process to produce low Conradson carbon gas oil for catalytic cracking feedstock and for gasoline.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F. at the 10-percent point and 550 degrees F. at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a boiling range between 300-575 degrees F. and used in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees F. for use in high speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C₂H₆). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinic hydrocarbon, (C₂H₄), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Fluid Coking. A thermal process utilizing the fluidized solids technique for continuous conversion of heavy low-grade oils into lighter products.

Gasohol. See **Motor Gasoline (Finished).**

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillate-type fuel oils and diesel fuel, also cracked to produce gasoline.

Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation or motor gasoline.

Idle Capacity. The component of operable capacity that is not in operation and not under active repairs, but capable of being placed in operation within 30 days and capacity not in operation but under active repairs that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported

crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See **Butane**.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alkylation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that boils at a temperature between 300-550 degrees F., that has a flash point higher than 100 degrees F. by ASTM Method D56, that has a gravity range from 40-46 degrees API, and that has a burning point in the range of 150-175 degrees F. Included are the two classifications recognized by ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees F. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 percent distillation temperature of 400 degrees F. It is covered by ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and nonassociated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liquefied Petroleum Gases (LPG). Ethane, Ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas used for chemical or rubber manufacture which is reported as a petrochemical feedstock and also excludes liquefied petroleum gases intended for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstock or other uses.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrofining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a boiling range of 122-158 degrees F. at the 10-percent point to 365-374 degrees F. at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. The actual lead content of any given gallon, however, may vary as a function of the size of the producer and company according to specific Environmental Protection Agency waiver provisions. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blend stock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specification of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: Ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e. products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C₅H₁₂), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See **Butane**.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation, and not under active repairs but capable of being placed in operation within 30 days; or not in operation but under active repairs that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed in an atmos-

pheric distillation facility during a twenty-four hour period after making allowances for the following limitations:

The capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation.

The types and grades of inputs to be processed.

The types and grades of products expected to be manufactured.

The environmental constraints associated with refinery operations.

The reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs and turnaround.

The reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline and plant condensate.

Petrochemical Feedstock Use. Chemical feedstocks derived from petroleum, principally for the manufacture of chemicals, synthetic rubber and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F. end-point" and "Other oils over 400 degrees F. end point."

Naphtha-Less Than 400 Degrees F. End-Point. A naphtha with an end point of less than 400 degrees F. that is intended for use as a petrochemical feedstock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.

Catalyst Coke. In many catalytic operations (i.e., catalytic cracking) carbon is deposited on the catalyst thus, deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refinery process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400 F. end-point, other oils-over 400 F. end-point, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Petroleum Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in transit from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks excludes stocks of foreign origin that are held in bonded warehouse storage.

Propane. A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D1835.

Propylene. An olefinic hydrocarbon, (C₃H₆), recovered from refinery processes or petrochemical processes.

Residual Fuel Oil. The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Special Naphthas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees F. "Special naphthas" includes all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Petrochemical Feedstock Use. Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, less the amount of such streams returned to the source refinery. Finished petrochemical products are not included. For example, polyethylene, butadiene, etc. are considered petrochemical products; therefore, only their feedstock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series pre-

[illegible]

Penetration at 77 degrees F. (D1321)-60 maximum.
Viscosity at 210 degrees F. in Saybolt Universal
Seconds (SUS). (D88)-60 SUS (10.22 centistokes)
minimum to 150 SUS (31.8 centistokes) maximum.
Oil content (D721)-5 percent minimum.

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.1 centistokes) maximum. Oil Content (D721)-0.5 per cent maximum. Other +20 color, Saybolt minimum.

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.5 percent minimum to 15 percent maximum.

Petroleum Supply Monthly/Energy Information Administration

Bureau of Mines Petroleum Refining Districts and PAD Districts

The following are the Bureau of Mines petroleum refining districts which make up the PAD districts:

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalachian #2: The following counties of the State of Ohio: Erie, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ross, Pike, Scioto, and all counties east thereof.

Indiana—Illinois—Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and that part of the State of Ohio not included in the Appalachian District.

Minnesota—Wisconsin—North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma—Kansas—Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana—Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

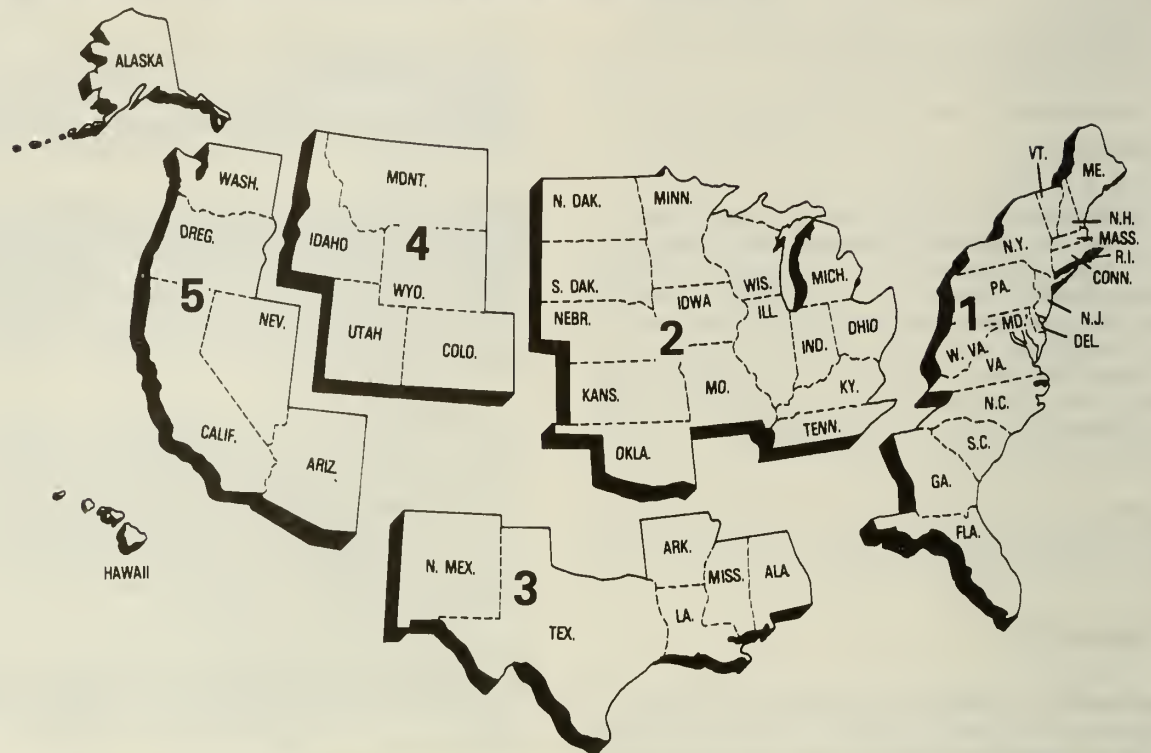
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

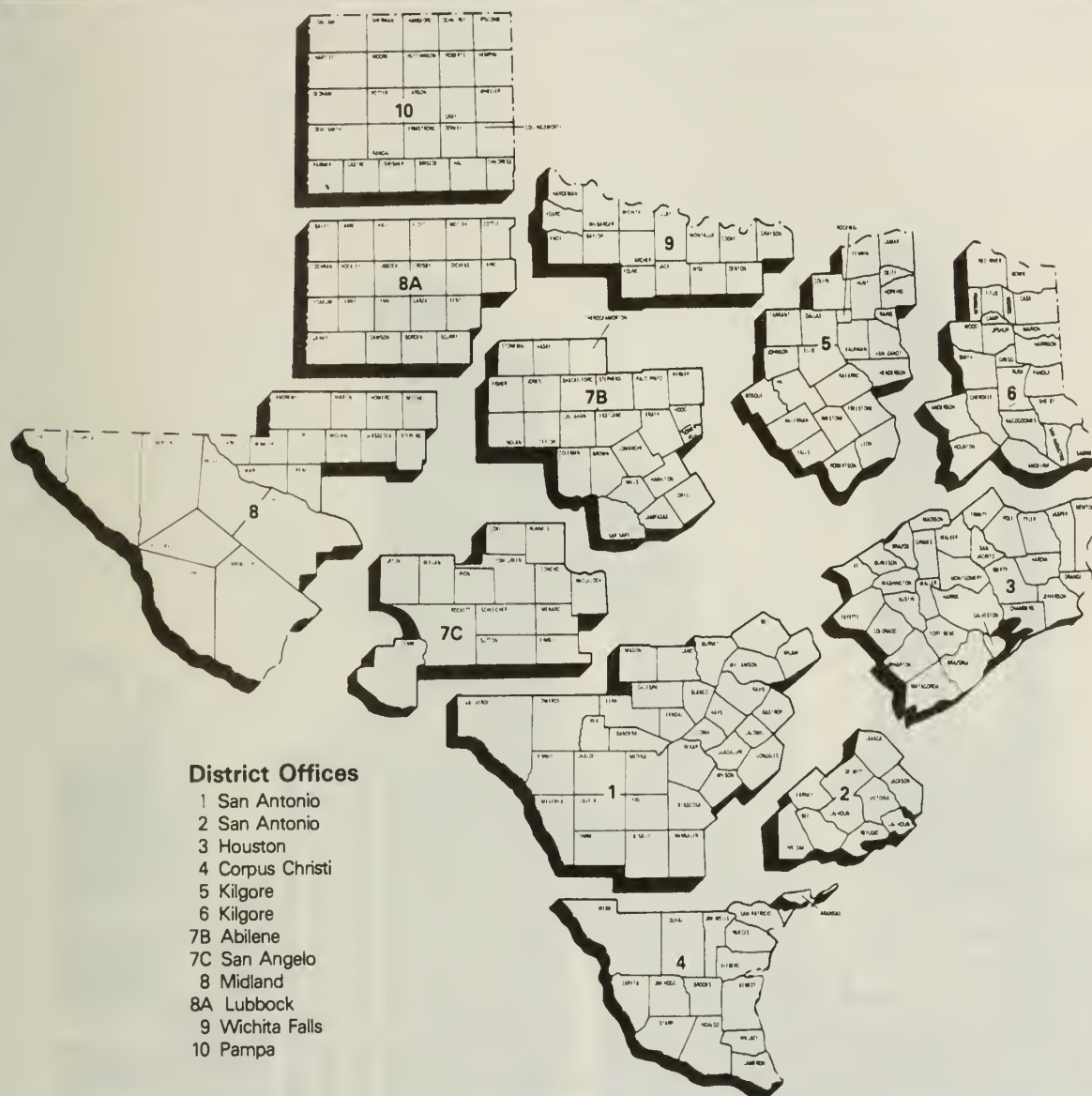
Petroleum Administration for Defense (PAD) Districts



Bureau of Mines Refining Districts



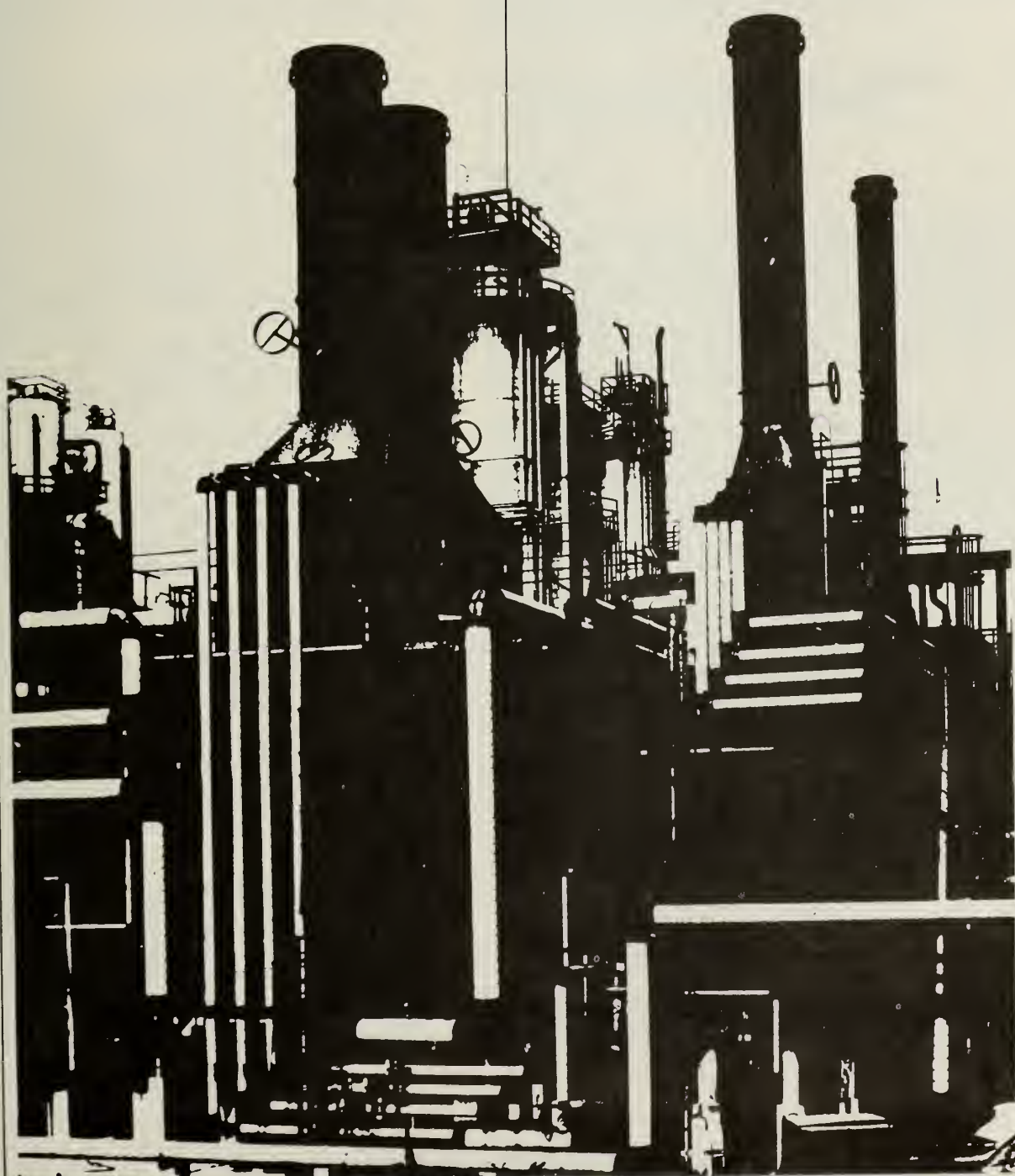
District Map Oil and Gas Division Railroad Commission of Texas



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Explanatory Notes

Fig. 1. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.



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Explanatory Notes

Note 1: Data Collection Methodology

Background

Beginning in January 1983, the Energy Information Administration (EIA) unified its petroleum supply data collection activities into the Petroleum Supply Reporting System (PSRS). The PSRS represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The primary focus of the consolidation has been to revise the weekly and monthly survey reporting forms to assure consistency in form layout, preparation instructions, and definitions. As a result, a new set of survey forms were implemented in January 1983. The following are the new form numbers and their corresponding predecessor forms:

| New Form Number | Name | Old Form Number |
|-----------------|--|-----------------|
| EIA-800 | Weekly Refinery Report | EIA-161 |
| EIA-801 | Weekly Bulk Terminal Report | EIA-162 |
| EIA-802 | Weekly Product Pipeline Report | EIA-163 |
| EIA-803 | Weekly Crude Oil Stocks Report | EIA-164 |
| EIA-804 | Weekly Imports Report | EIA-165 |
| EIA-805 | Weekly Shipments from Puerto Rico to the United States Report | — |
| EIA-810 | Monthly Refinery Report | EIA-87 |
| EIA-811 | Monthly Bulk Terminal Report | EIA-88 |
| EIA-812 | Monthly Product Pipeline Report | EIA-89 |
| EIA-813 | Monthly Crude Oil Report | EIA-90 |
| ERA-60 | Monthly Imports Report | ERA-60 |
| EIA-815 | Monthly Shipments from Puerto Rico to the United States Report | FEA-P133-M-0 |
| EIA-816 | Monthly Natural Gas Liquids Report | EIA-64 |
| EIA-817 | Monthly Tanker and Barge Movement Report | EIA-170 |

Forms EIA-800 through 805 comprise the Weekly Petroleum Supply Reporting System (WPSRS). This system is designed to collect basic refinery operations and product stock data for major products on a weekly basis. Data from the WPSRS are published in the *Weekly Petroleum Status Report (WPSR)* and are also used to calculate the preliminary statistics in the "Summary Statistics" section of the *Petroleum Supply Monthly*

(PSM). A description of the WPSRS survey forms follows in Note 1.1.

Forms EIA-810-813, 815-817 and ERA-60 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery operations data, refinery, bulk terminal and pipeline stocks data, crude oil and petroleum product imports data and movements of petroleum products and crude oil between PAD Districts data. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the PSM. A description of MPSRS survey forms follows in Note 1.2.

Data are also obtained in magnetic tape form from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSM. A description of the Census data follows in Note 1.3.

Note 1.1: Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first began publishing weekly petroleum supply statistics in April 1979 in response to the Iranian oil crisis. Initially, the published data were taken from the American Petroleum Institute (API) *Weekly Statistical Bulletin*. However, in January 1980 the EIA began to publish weekly statistics from its own surveys, with the exception of imports statistics which the EIA did not begin collecting until June 1980.

The weekly surveys collect data comparable to those collected on a monthly basis. Selected petroleum companies report weekly data to the EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports each shipment entering the United States. On Form EIA-805, a company shipping unfinished oils and finished petroleum products into the United States from Puerto Rico reports each shipment. Current weekly data and the most recent monthly data are used to estimate the totals that are published in the *Weekly Petroleum Status Report*.

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-800: Based on the EIA-810 universe, which includes all petroleum refineries in the United States and

its territories, industrial facilities that have crude oil distillation capacity and produce some refined petroleum products, and plants that produce finished motor gasoline through mechanical blending. The selected sample size is 215.

EIA-801: Based on the EIA-811 universe, which includes all bulk terminal facilities in the United States and its territories that have either a total bulk storage capacity of 50,000 barrels or more, or that receive petroleum products by tanker, barge, or pipeline. The selected sample size is 93.

EIA-802: Based on the EIA-812 universe, which includes all petroleum product pipeline companies in the United States and its territories that transport refined petroleum products, including interstate, intrastate and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-802 frame. Only those pipeline companies that transport products covered in the weekly survey are included. The selected sample size is 65.

EIA-803: Based on the EIA-813 universe, which consists of all companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-804: Based on the ERA-60 universe, which includes all importers of record of crude oil and petroleum products into the United States and Puerto Rico. The selected sample size is 65.

EIA-805: Based on the EIA-815 universe, which includes all shippers of unfinished oils and petroleum products into the United States from Puerto Rico. Four companies report.

Sampling Method

The cut-off method is the sampling procedure used for all weekly surveys except the EIA-802, which uses the monthly universe in its entirety. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous 12-month period. Companies are chosen for the sampling, beginning with the largest and adding companies until the total sample covers 90 percent of the total for the previous time period for each product published in the *Weekly Petroleum Status Report*.

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period closes each Friday at 7 a.m. All canvassed firms and terminal operations companies must file by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M_t) is divided by the amount reported by the sample of companies for the most recent month (M_s). The result is multiplied by the amount reported by the sample of companies for the current week (W_s). The answer, W_t , is an estimate of the amount that would have been reported by all companies for the current week if all companies reported each week.

$$W_t = \frac{M_t}{M_s} (W_s)$$

This procedure is used to estimate total weekly inputs to refineries and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-by-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of weekly imports is the sum of the smoothed ratio multiplied by the weekly values and estimates for shipments from Puerto Rico. Imports of other oils includes an adjustment from Census data for unlicensed products because of coverage differences between the monthly imports data and Census data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 95 and 98 percent.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems

were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movements of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and plants that produce finished motor gasoline through the mechanical blending of liquids which are operated or controlled in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, the Hawaiian Foreign Trade Zone, and Guam. Approximately 313 respondents report on the EIA-810.

EIA-811: All bulk terminal facilities in the 50 States and the District of Columbia, Puerto Rico, and the Virgin Islands that (a) have a total bulk storage capacity of 50,000 barrels or more and/or (b) receive petroleum products by tanker, barge, or pipeline, regardless of ownership of the material. Approximately 328 respondents report on the EIA-811.

EIA-812: All products pipeline companies that carry petroleum products (including interstate, intrastate and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 94 respondents report on the EIA-812.

EIA-813: All companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-815: All licensed importers and importers of record shipping petroleum products from Puerto Rico into the 50 States and the District of Columbia.

Import data from the ERA-60 and EIA-815 are integrated into the import statistics reported in the PSM.

EIA-816: All operators of facilities designed to extract liquid hydrocarbons from natural gas stream (natural gas processing plants) or to separate a hydrocarbon stream into its component products, i.e., propane, butane, natural gasoline, etc. (fractionators). Approximately 990 respondents report on the EIA-816.

EIA-817: All known companies and plants that have custody of crude oil and petroleum products transported by tanker and barge between PAD Districts or between PAD Districts and the Panama Canal. There are about 50 respondents.

ERA-60: All licensed importers and importers of record importing crude oil and petroleum products into the

United States and Puerto Rico. The respondent universe consisted of approximately 1,100 firms as of July 31, 1982. However, only a selected 250 importers must report each month regardless of import activity. All others must report only for a month in which they actually had imports. The respondent universe for this survey is updated whenever an import license is granted by the Office of Oil Imports of the ERA.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *LP Gas Almanac* for information on facilities or companies going into operation or closing down. These are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Periodically an extensive survey study is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th day following the end of the report month, with the exception of the EIA-815 and ERA-60 which are due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline, for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed only for nonresponding companies that submitted reports the previous month. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. In the event that the previous month's data were estimated, the respondent is contacted and requested to submit estimates, if necessary, to be followed by submission of actual data. Data for nonrespondents on the EIA-815 and 817, and ERA-60 are not imputed.

Response Rates

As of the filing deadline, the response rates of the EIA-810 through EIA-813 respondents is over 90 per-

cent. The response rate for the EIA-816 is over 85 percent and for the EIA-817 it is 98 percent. All companies that have not responded are contacted by telephone. Although data are taken by telephone to expedite processing, a certified submission is still required. Names of companies that fail to file for 2 consecutive months are forwarded for further noncompliance action.

In July 1983, the ERA-60 survey had a response rate of 99.9 percent by the filing deadline. The universe was 1,100 firms at that time. (Because this is a dynamic survey, the universe is constantly changing.) Standard follow-up of nonrespondents is made to insure that all reports are received, since data are not imputed for nonrespondents. In addition, response is cross-checked with response on the Petroleum Licensing Decrementation System (PLDS), a listing of each month's importers. The response rate is generally 98 to 99 percent by the time the data are first published.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data provide the only source of export statistics and are used to augment the import data collected by the EIA. Export statistics and import data from the Census tapes on liquefied petroleum gases and bonded ship bunkers are published in the *PSM*.

Import Statistics (IM-145)

Coverage

The import statistics reflect both government and non-government imports of merchandise from foreign countries into the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico), without regard to whether or not a commercial transaction is involved. In general, the statistics record the physical movement of merchandise into the United States from foreign countries, with the exception of the following types of transactions that are excluded from the statistics:

1. Merchandise in-transit through the United States, when documented with Customs as an in-transit movement.
2. Shipments from anywhere to U.S. possessions and shipments from U.S. possessions to the United States. (U.S. possessions include Puerto Rico, the Virgin Islands, Guam, and American Samoa.)
3. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Imported petroleum is reported as *Imports for Consumption*. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. With certain exceptions as indicated above, these data generally reflect the total of commodities entered into U.S. consumption channels.

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Coverage

The export statistics reflect both government and non-government exports of domestic and foreign merchandise from the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico) to foreign countries, without regard to whether or not the exportation involves a commercial transaction. In general, the statistics record the physical movement of merchandise out of the United States to foreign countries, with the exception of the following types of transactions:

1. All shipments from U.S. possessions, regardless of whether the shipments are sent to the United States, to other U.S. possessions, or to foreign countries.
2. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
3. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census primarily from copies of Shipper's Export Declarations. Exporters are required to file Shipper's Export Declarations with Customs officials. The only exceptions are those exporters who have been authorized to submit data directly to the Bureau of Census on magnetic tape, punched cards, or monthly Shipper's Summary Export Declarations.

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. For survey description and other detail, see Explanatory Note 1.2.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

Imports of crude oil and petroleum products are reported monthly on Form ERA-60, *Report of Oil Imports into the United States and Puerto Rico*, and Form EIA-815, *Shipments of Refined Products (Including Unfinished Oils) from Puerto Rico to the United States*. In addition, the Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. The most prominent difference between the EIA and Census systems appears in imports of liquefied petroleum

gases (LPG), where the Census data show a much higher level of imports than EIA data. This occurs because the ERA-60 respondent frame was built by monitoring importers of licensed products and LPGs are not licensed products. Therefore, respondents that import only LPGs have not been identified, and do not report these imports to the Department of Energy. Since these importers are required to file form 7501 with the U.S. Customs Service, EIA obtains data on imports of LPGs from Census Tabulation IM-145. Additional data taken from the IM-145 are relatively small quantities of naphtha- and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the ERA-60 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the month from stocks at the beginning of the same month. (Note: The beginning stocks of one month are equal to the ending stocks of the previous month.) A positive result (+) would represent a withdrawal from stocks and an increase in petroleum supplies distributed for domestic consumption. A negative result (-) would represent a buildup of stocks and a reduction in the amount of petroleum supplies distributed for domestic consumption. For a description of survey forms used to make stock withdrawal or addition calculations see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition.

Crude oil supply is the sum of field production, imports and stock withdrawals or additions. Crude oil disposition is the sum of exports, refinery input, losses and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supplies from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by each of the State conservation agencies, which collect crude oil production values for tax purposes. The U.S. Geological Survey reports the volume of crude oil that is produced offshore in Federally-owned waters. With the exception of ten State conservation agencies, all of these reports are received monthly. After each calendar year, these monthly numbers are updated using the annual reports

from the State conservation agencies and the U.S. Geological Survey. The ten States that do not report monthly values are Indiana, Kentucky, Missouri, Arkansas, Utah, New York, Ohio, Pennsylvania, West Virginia, and Wyoming. Monthly values are estimated for these States using the individual linear trends of their historical annual crude oil production values.

There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information on crude oil production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the EIA's Dallas Field Office prepares a series of State level estimates which are based on historical production patterns and are summed to obtain the monthly crude oil production values shown in the summary statistics of this publication.

The individual State level estimates are either exponential curve fitted projections based on recent data or are constant level projections based on the average production rate during a recent time period. In some cases, adjustments are made to these estimates based on additional information on expected changes in production rates supplied by a State agency, a trade association, or an individual field operator.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries. Crude oil losses at refineries are reported on Form EIA-810, *Refinery Report*.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawaiian Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refineries located in these places.

Product Supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus re-

finery input, minus exports. This formula ensures that total disposition equals total supply.

Products supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of that product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported, (2) data were misreported or reported late, (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Stocks of crude oil are also reported weekly on Form EIA-800, *Weekly Refinery Report*, and on Form EIA-803, *Weekly Crude Oil Stocks Report*. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or stocks held by consumers. Petroleum product stocks are also reported weekly on Form EIA-800, *Weekly Refinery Report*, Form EIA-801, *Weekly Bulk Terminal Report*, and Form EIA-802, *Weekly Crude Oil Stocks Report*. For survey descriptions and other details, see Explanatory Notes 1.1 - 1.3.

Note 6: Average Stock Levels

The graphs displaying monthly stock levels of crude oil, motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases provide the user with recent data as well as a summary of data from January through December or from July through June for the most recent 3-year period. This summary takes the form of an *average range* that includes seasonal variation determined from a longer time period. The average range represents the historical pattern; it is not a forecast.

These curves are updated semiannually (in April and October), by basing the *average ranges* on a more recent time period. Each 3-year data series is adjusted by dropping the first 6 months and including the most recent 6 months.

For each data series, the monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive. The series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported stock levels. The intent of deseasonalization is to remove only seasonal variation from the data. Thus, a deseasonalized series would contain the same trends and irregularities as the original data. The seasonal factors for distillate fuel oil, residual fuel oil, and liquefied petroleum gases were derived using monthly data for 1977-1983. For motor gasoline, the seasonal factors are based on monthly data for 1978-1983. In 1977, there was virtually no seasonal behavior in motor gasoline stocks. Monthly stock levels stayed at the same high level for the entire year.

After seasonal factors are derived, the most recent 3-year period (from January through December or from July through June) is deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard error of the deseasonalized 36 months is calculated adjusting for extreme data points. The width of the *average range* is twice this standard error.

The upper curve of the *average range* is defined as the average plus the seasonal factors plus the standard error. The lower curve is defined as the average plus the seasonal factors minus the standard error.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Forms EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other detail, see Explanatory Note 1.2.

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, and 804) are used to estimate the most recent monthly values for the *Summary Statistics* section. Since some of the weekly reporting periods overlap two adjacent months,

it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-of-month stock levels of crude oil and the major products (motor gasoline, distillate fuel oil, and residual fuel oil) are calculated in a similar manner, but use only the two weekly reporting periods that cover the end-of-week stocks before and after the end of the month. The end-of-month stock level is calculated by first calculating the stock change between the two weeks. The daily stock change between the two end-of-week stock levels is then calculated. This number is multiplied by the weighting factor of the earlier of the two weeks (the week that covers the last day of the month of interest). This change is added to the earlier of the two end-of-week stock levels to estimate the end-of-month stock level.

Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 4. Total Production and Crude Oil Production appear under Field Production in Table 4.

- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.

- Petroleum Products Imports is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.

- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 9.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the Detailed Statistics, except where noted.

- Total Domestic Field Production, Alaskan Field Production, SPR Imports, Other Imports (synonymous with Imports Gross Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unac-

counted For Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.

- Crude Losses and Product Supplied appear as labeled in Table 4.

- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.

- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.

- Total Imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Ending Stocks appear in thousand barrels in Table 2.

Note 9.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, propane, butane, butane-propane mixtures, ethane-propane mixtures, and isobutane. The statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.

- Ending stocks appear in thousand barrels in Table 2.

Note 9.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on natural gasoline, isopentane, unfractionated stream, plant condensate, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, and residual fuel oil. The statistics on the referenced line are aggregated from Table 4 of the Detailed Statistics, except where noted.

- Total Production is the aggregated sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 4.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska*, *Lower 48 States*, and *Total U.S.* are calculated by calling the conservation agency in Alaska for Alaskan crude oil production during the month, estimating crude oil production in the United States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 States.

- Line (5): *SPR Imports* are reported on Survey Form ERA-60.

- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude losses in Table 2.

- Line (14): Natural gas plant liquids (NGPL) *Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.

- Line (15): NGPL *Imports* equals the sum of the imports of natural gasoline and isopentane, unfractionated stream, and plant condensate imports in Table 2.

- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the sum of stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate in Table 2.

- Line (17) equals the sum of lines (14), (15), and (16).

- Line (18): Unfinished oils and gasoline blending components *Stock Withdrawal (+) or Addition (-)* equals stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, for unfinished oils, motor gasoline blending components, and aviation gasoline blending components.

• Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.

• Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.

• Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).

• Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.

• Line (25): *Gross Imports of Refined Products* equals imports of LPG plus imports of finished petroleum products in Table 2.

• Line (26): *Exports of Refined Products* equals exports of LPG plus exports of finished petroleum products in Table 2.

• Line (27): *Net Imports of Refined Products* equals the difference between lines (25) and (26).

• Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

• Line (29): *Refined Products Stocks Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

• Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

• Lines (31) through (35) equal the respective products supplied in Table 2.

• Line (36): *Other Products Supplied* equals the sum of natural gasoline and isopentane, unfractionated stream, plant condensate, aviation gasoline, naphtha < 400 Deg. F for petrochemical feedstock use, other oils > 400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, coke, asphalt, road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components and miscellaneous products supplied in Table 2.

• Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

• The sum of lines (38) and (39), stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve*, equals ending stocks of crude oil in Table 2. SPR stocks are reported on Form EIA-813.

• Line (43): stocks of *Refined Products*, equals the sum of LPG and finished petroleum product stocks in Table 2.

Note 10: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).
- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,420; and 1982 - 1,462.
- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).
- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.
- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.
- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.
- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.
- Stock withdrawal calculations beginning in 1975, 1981, 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Prod-

ucts Supply and Disposition" table in the Summary Statistics, is now reported on a component basis (ethane, propane, normal butane, isobutane and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the Summary Statistics. This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108
- Other Petroleum Products: 1983 - 248

Note 11: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 12: Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting systems.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings throughout 1980. However, estimates of the magnitudes of differences in the major

data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. This difference increased to about 4 percent in 1979 and 5 percent in 1980. There are two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference—in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). The following table provides 1979 and 1980 data as published in the *Petroleum Statement Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied. EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years. EIA has recently published a study of the quality of these FHWA data.¹

¹Office of Energy Information Validation, Energy Information Administration, U.S. Department of Energy, *Error Profile of the Motor Fuel Taxation Data used to Establish and Monitor State Emergency Conservation Targets* (Washington, D.C.: December, 1981).

**Finished Motor Gasoline Product Supplied on Old and New Basis
(Thousand Barrels per Day)**

| | 1979 | | | | 1980 | | | |
|---------|-----------------|---------------|-----------------|-------------------|-----------------|---------------|-----------------|-------------------|
| | EIA Reported | API Recast | EIA Recast | FHWA ¹ | EIA Reported | API Recast | EIA Recast | FHWA ¹ |
| Jan | 6,830 | 7,230 | 7,084- 7,246 | 6,984 | 6,323 | 6,789 | 6,630- 6,791 | 6,672 |
| Feb | 7,254 | 7,496 | 7,389- 7,568 | 7,538 | 6,596 | 6,983 | 6,831- 7,003 | 6,830 |
| Mar | 7,229 | 7,414 | 7,301- 7,463 | 7,316 | 6,406 | 6,753 | 6,607- 6,768 | 6,713 |
| Apr | 7,055 | 7,300 | 7,187- 7,353 | 7,375 | 6,800 | 7,014 | 6,886- 7,052 | 6,981 |
| May | 7,213 | 7,429 | 7,313- 7,475 | 7,428 | 6,729 | 6,954 | 6,823- 6,984 | 7,044 |
| Jun | 7,191 | 7,483 | 7,350- 7,516 | 7,441 | 6,657 | 6,966 | 6,824- 6,991 | 7,049 |
| Jul | 6,902 | 7,241 | 7,105- 7,266 | 7,299 | 6,743 | 6,973 | 6,960 | 7,132 |
| Aug | 7,330 | 7,546 | 7,426- 7,588 | 7,619 | 6,648 | 6,841 | 6,828 | 7,090 |
| Sep | 6,881 | 7,122 | 7,016- 7,262 | 7,232 | 6,510 | 6,692 | 6,962 | 6,685 |
| Nov | 6,791 | 7,068 | 6,956- 7,122 | 7,142 | 6,234 | 6,507 | 6,516 | 6,951 |
| Dec | 6,730 | 7,106 | 6,966- 7,127 | 7,064 | 6,632 | 6,948 | 6,936 | 6,993 |
| Average | 7,034 | 7,302 | 7,183- 7,347 | 7,309 | 6,579 | 6,882 | 6,806- 6,889 | 6,925 |

¹FHWA gasoline statistics published in their 1979 Table MF-33G, 08-06-80, contain aviation gasoline as well as motor gasoline. Only motor gasoline data are included in published 1980 data. Consequently, the 1979 data shown above were reduced by subtracting aviation gasoline product supplied quantities as published by EIA in the 1979 *Petroleum Statement Annual*. The 1980 FHWA data published in their 1980 Table MF-33GA, August 1981, did not require this adjustment.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oil produced by a refinery is shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was sub-

tracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981 this adjustment was discontinued because there was not sufficient empirical evidence to support it. The following table presents distillate and residual fuel oil refinery production in 1980 as published (adjusted) and on the same basis as 1981 statistics are now being completed (unadjusted) to permit comparison between 1980 and 1981 data series. Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Adjusted and Unadjusted Refinery Production, and Unadjusted Product Supplied of Distillate and Residual Fuel Oils, by Month for 1979 and 1980 (Thousand Barrels Per Day)

1979

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,043 | 3,108 | 65 | 4,646 | 1,912 | 1,946 | 34 | 3,594 |
| Feb. | 2,888 | 2,945 | 57 | 4,869 | 1,792 | 1,822 | 30 | 3,625 |
| Mar. | 3,019 | 3,026 | 7 | 3,671 | 1,719 | 1,723 | 4 | 3,243 |
| Apr. | 2,945 | 2,978 | 32 | 3,048 | 1,639 | 1,656 | 17 | 2,524 |
| May | 3,066 | 3,093 | 27 | 3,025 | 1,586 | 1,600 | 14 | 2,517 |
| Jun. | 3,153 | 3,187 | 35 | 2,743 | 1,548 | 1,566 | 18 | 2,601 |
| Jul. | 3,305 | 3,344 | 38 | 2,601 | 1,575 | 1,594 | 20 | 2,471 |
| Aug. | 3,321 | 3,359 | 38 | 2,799 | 1,584 | 1,603 | 20 | 2,570 |
| Sep. | 3,354 | 3,306 | - 48 | 2,599 | 1,627 | 1,602 | - 25 | 2,584 |
| Oct. | 3,251 | 3,217 | - 34 | 3,085 | 1,629 | 1,612 | - 17 | 2,523 |
| Nov. | 3,239 | 3,200 | - 39 | 3,208 | 1,736 | 1,716 | - 20 | 2,795 |
| Dec. | 3,221 | 3,238 | 17 | 3,725 | 1,894 | 1,903 | 9 | 3,022 |
| Average | 3,152 | 3,169 | 16 | 3,327 | 1,687 | 1,695 | 8 | 2,834 |

1980

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,013 | 3,093 | 80 | 3,794 | 1,771 | 1,812 | 41 | 3,108 |
| Feb. | 2,766 | 2,888 | 122 | 3,834 | 1,773 | 1,836 | 63 | 3,168 |
| Mar. | 2,557 | 2,690 | 133 | 3,312 | 1,584 | 1,652 | 68 | 2,726 |
| Apr. | 2,460 | 2,554 | 94 | 2,729 | 1,595 | 1,643 | 48 | 2,492 |
| May | 2,474 | 2,610 | 136 | 2,538 | 1,509 | 1,579 | 70 | 2,305 |
| Jun. | 2,646 | 2,721 | 75 | 2,392 | 1,575 | 1,613 | 38 | 2,359 |
| Jul. | 2,689 | 2,783 | 94 | 2,343 | 1,480 | 1,528 | 48 | 2,339 |
| Aug. | 2,461 | 2,582 | 121 | 2,258 | 1,444 | 1,506 | 62 | 2,348 |
| Sep. | 2,686 | 2,726 | 40 | 2,627 | 1,495 | 1,516 | 21 | 2,380 |
| Oct. | 2,589 | 2,650 | 61 | 2,981 | 1,512 | 1,543 | 31 | 2,258 |
| Nov. | 2,703 | 2,823 | 120 | 3,069 | 1,579 | 1,641 | 62 | 2,513 |
| Dec. | 2,891 | 3,052 | 161 | 3,776 | 1,660 | 1,743 | 83 | 2,762 |
| Average | 2,661 | 2,764 | 103 | 2,969 | 1,580 | 1,634 | 54 | 2,562 |

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids sec-

tion, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 13: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquid (NGL) supply data, moving from a nine-product slate to a five-component slate that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analyses of the products they imported during the first six months of 1983. The percentages shown in Exhibit 1 are derived from the weighted averages of the data provided by the importers.

EXHIBIT 1. ALGORITHMS FOR ALLOCATING NGL IMPORTS

| PRODUCT SLATE | Ethane | Propane | Normal butane | Isobutane | Pentanes Plus |
|---|--------|---------|---------------|-----------|---------------|
| Natural Gasoline & Isopentane (EIA-814) | | | | | 100% |
| Plant Condensate (EIA-814) | | | | | 100% |
| Ethane (IM-145) | 100% | | | | |
| Butane (IM-145) | | | 60% | 40% | |
| Butane-Propane Mixtures (IM-145) | | 40% | 35% | 20% | 5% |
| Ethane-Propane Mixtures (IM-145) | 80% | 20% | | | |

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analyses of the products they

exported during 1983. The percentages shown in Exhibit 2 are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by PAD of exportation, due to the wide variation of components in the mixed streams.

EXHIBIT 2. ALGORITHMS FOR ALLOCATING NGL EXPORTS

| PRODUCT | P.A.D. | Ethane | Propane | EIA Component Slate Normal Butane | Isobutane | Pentanes Plus |
|---------------|----------|--------|---------|--------------------------------------|-----------|---------------|
| Ethane | All | 100% | | | | |
| Propane | All | | 100% | | | |
| Butane | All | | | 100% | | |
| Mixed Streams | I, IV, V | | 40% | 60% | | |
| | II | 30% | 25% | 15% | 15% | 15% |
| | III | | 80% | 20% | | |

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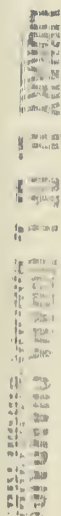
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The Energy Information Administration (EIA) has announced that petroleum supply statistics are now available on two magnetic tapes. One tape contains final 1983 petroleum supply statistics by month, taken from the *Petroleum Supply Annual*; the other contains 1984 statistics to date by month, from the *Petroleum Supply Monthly*. The first monthly tape released will be for the period January through June 1984. The monthly tape will be updated each month with the latest month's statistics. Both tapes include full documentation.

Tapes will be sold for \$140 each and should be referenced by NTIS number:

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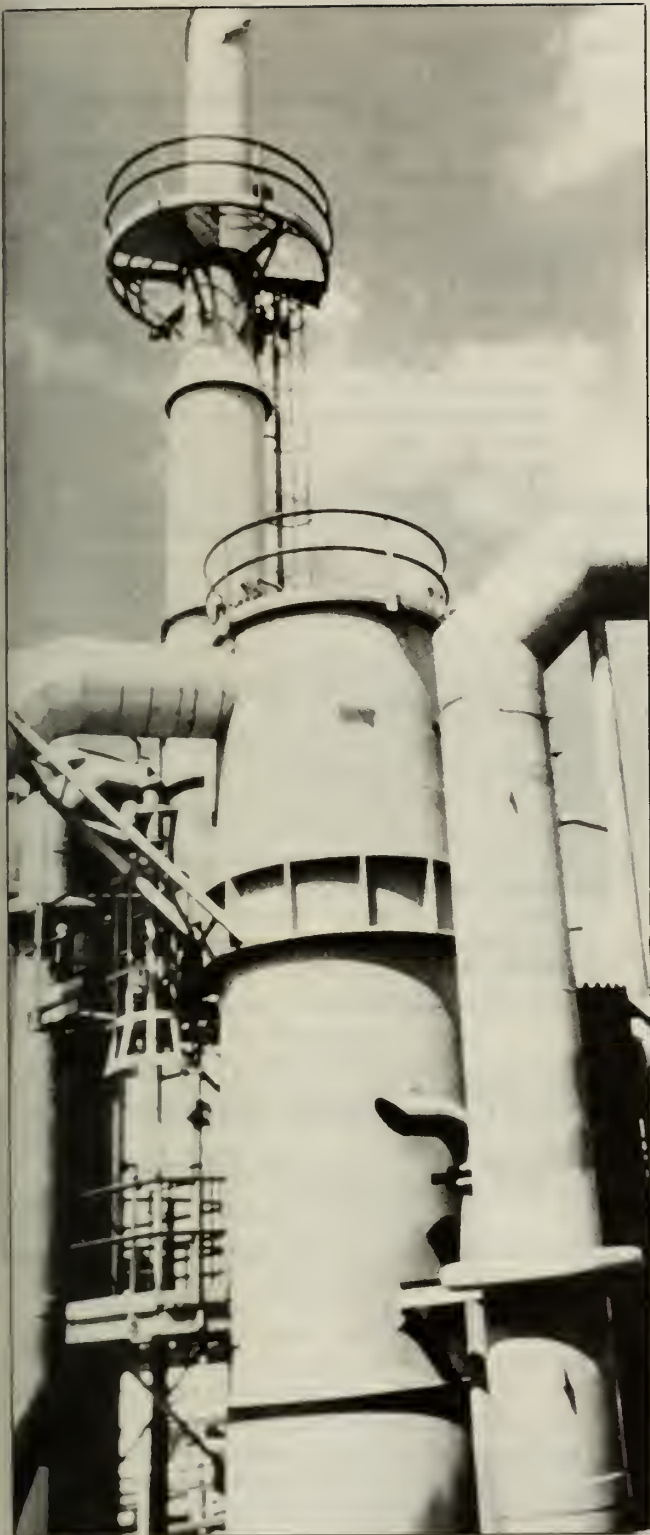
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| Gasoline Use in the United States | May 1982 |
| The Impact of Changing Vehicle Characteristics and Use on Motor Gasoline Demand | May 1982 |
| 1982 EIA Petroleum Refinery Survey Results | Jun 1982 |
| What is a Refinery? | Jun 1982 |
| Mid-year Petroleum Supply Review | Jul 1982 |
| Petroleum Imports and Exports | Aug 1982 |
| Refinery Shutdowns During 1982..... | Sep 1982 |
| Distillate Fuel Oil Outlook: Winter 1982-83 | Sep 1982 |
| Recent Trends in Fuel Oil | Sep 1982 |
| Futures Trading on Heating Oil Markets | Sep 1982 |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves, 1981 Annual Report | Oct 1982 |
| Trends in Domestic Crude Oil Production and Reserves..... | Nov 1982 |
| Major Energy Companies' Investment and Resource Development Patterns, 1974-80 | Nov 1982 |
| U.S. Petroleum Developments: 1982..... | Jan 1983 |
| Trends in Petroleum Products Consumption, 1971-1982..... | Jan 1983 |
| Refinery Shutdowns During 1982..... | Feb 1983 |
| U.S. Petroleum Imports and Exports | Feb 1983 |
| Petroleum Supply Reporting System Overview | Mar 1983 |
| Summer Gasoline Overview | May 1983 |
| Principal Factors Influencing Motor Gasoline Demand | May 1983 |
| U.S. Petroleum Refinery Trends and Outlook | Jun 1983 |
| Mid-Year Petroleum Review | Jul 1983 |
| Timeliness and Accuracy of Selected Petroleum Supply Data Series | Aug 1983 |
| Distillate Fuel Oil Overview: Winter 1983-84 | Sep 1983 |
| Fuel Oil Trends..... | Sep 1983 |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves..... | Sep 1983 |
| LPG Market Trends | Nov 1983 |
| National Petroleum Council Revises Minimum Operating Inventory Estimates | Dec(1) 1983 |
| U.S. Petroleum Developments: 1983..... | Dec(2) 1983 |
| An Overview of Petroleum Transportation | Dec(3) 1983 |
| EIA Revises Petroleum Supply Reporting System | Jan 1984 |
| Trends in Petroleum Product Consumption | Jan 1984 |
| Petroleum Consumption in the Industrial Sector..... | Jan 1984 |
| Motor Gasoline Outlook for Summer 1984 | Feb 1984 |
| Recent Motor Gasoline Trends..... | Feb 1984 |
| New Patterns Emerging in U.S. Petroleum Imports and Exports | Feb 1984 |
| Refinery Capacity Trends and Outlook..... | Apr 1984 |
| Mid-Year Petroleum Review..... | Jun 1984 |
| Timeliness and Accuracy of Selected Petroleum Supply Data Series | Jun 1984 |
| Winter 1984-1985 Distillate Fuel Oil Outlook | Jul 1984 |
| Distillate Fuel Oil Overview | Jul 1984 |
| Recent Trends in Primary Petroleum Storage Capacity | Aug 1984 |
| U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves | Aug 1984 |
| Comparisons of Independent Statistics on Petroleum Supply | Sept 1984 |
| An Evaluation of Crude Oil Production Statistics | Sept 1984 |

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Petroleum Focus

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Petroleum Supply Summary

| Average Volume for Period (Million Barrels Per Day) | November | | | Cumulative January Through November | | |
|---|----------|-------|-------------|--|------|-------------|
| | 1984 | 1983 | % Change | 1984 | 1983 | % Change |
| Products Supplied | | | | | | |
| Motor Gasoline | 6.7 | 6.6 | 1.6 | 6.7 | 6.6 | 1.5 |
| Distillate Fuel Oil | 2.9 | 2.9 | 1.0 | 2.9 | 2.6 | 8.6 |
| Residual Fuel Oil | 1.1 | 1.4 | - 17.3 | 1.4 | 1.4 | - 3.2 |
| Other Products | 4.7 | 4.7 | 1.4 | 4.8 | 4.5 | 8.0 |
| Total | 15.5 | 15.5 | - 0.2 | 15.7 | 15.1 | 4.2 |
| Crude Inputs to Refineries | 12.2 | 12.0 | 2.0 | 12.1 | 11.7 | 3.1 |
| Production | | | | | | |
| Crude Oil, Natural Gas Liquids, and Other ¹ | 10.5 | 10.5 | 0.8 | 10.4 | 10.3 | 1.0 |
| Imports | | | | | | |
| Crude Oil ² | 3.4 | 3.2 | 6.9 | 3.2 | 3.1 | 4.4 |
| SPR | 0.3 | 0.2 | 51.5 | 0.2 | 0.2 | - 17.2 |
| Products | 1.7 | 1.9 | - 10.9 | 2.0 | 1.7 | 14.9 |
| Total | 5.3 | 5.2 | 2.0 | 5.4 | 5.1 | 7.0 |
| Exports | | | | | | |
| Crude Oil | 0.1 | 0.2 | - 24.2 | 0.2 | 0.2 | 2.3 |
| Products | 0.5 | 0.5 | - 7.3 | 0.5 | 0.6 | - 13.7 |
| Total | 0.6 | 0.7 | - 11.8 | 0.7 | 0.7 | - 9.9 |
| Stock Withdrawal | | | | | | |
| Crude Oil ² | - 0.3 | 0.3 | — | (s) | (s) | — |
| Products | - 0.3 | - 0.2 | — | - 0.1 | 0.1 | — |
| Stocks at End of Period (Million Barrels) | | | | | | |
| Crude Oil | | | | | | |
| SPR | 443 | 371 | 19.4 | | | |
| Other | 346 | 341 | 1.5 | | | |
| Total | 790 | 713 | 10.8 | | | |
| Products | | | | | | |
| Motor Gasoline ³ | 241 | 236 | 2.1 | | | |
| Distillate Fuel Oil | 161 | 161 | (s) | | | |
| Residual Fuel Oil | 49 | 54 | - 9.4 | | | |
| Other | 318 | 346 | - 8.0 | | | |
| Total | 769 | 797 | - 3.5 | | | |
| Total Crude Oil and Products | 1,559 | 1,510 | 3.3 | | | |

1 Includes alcohol and other hydrocarbon liquids.

2 Excludes Strategic Petroleum Reserve (SPR).

3 Including blending components.

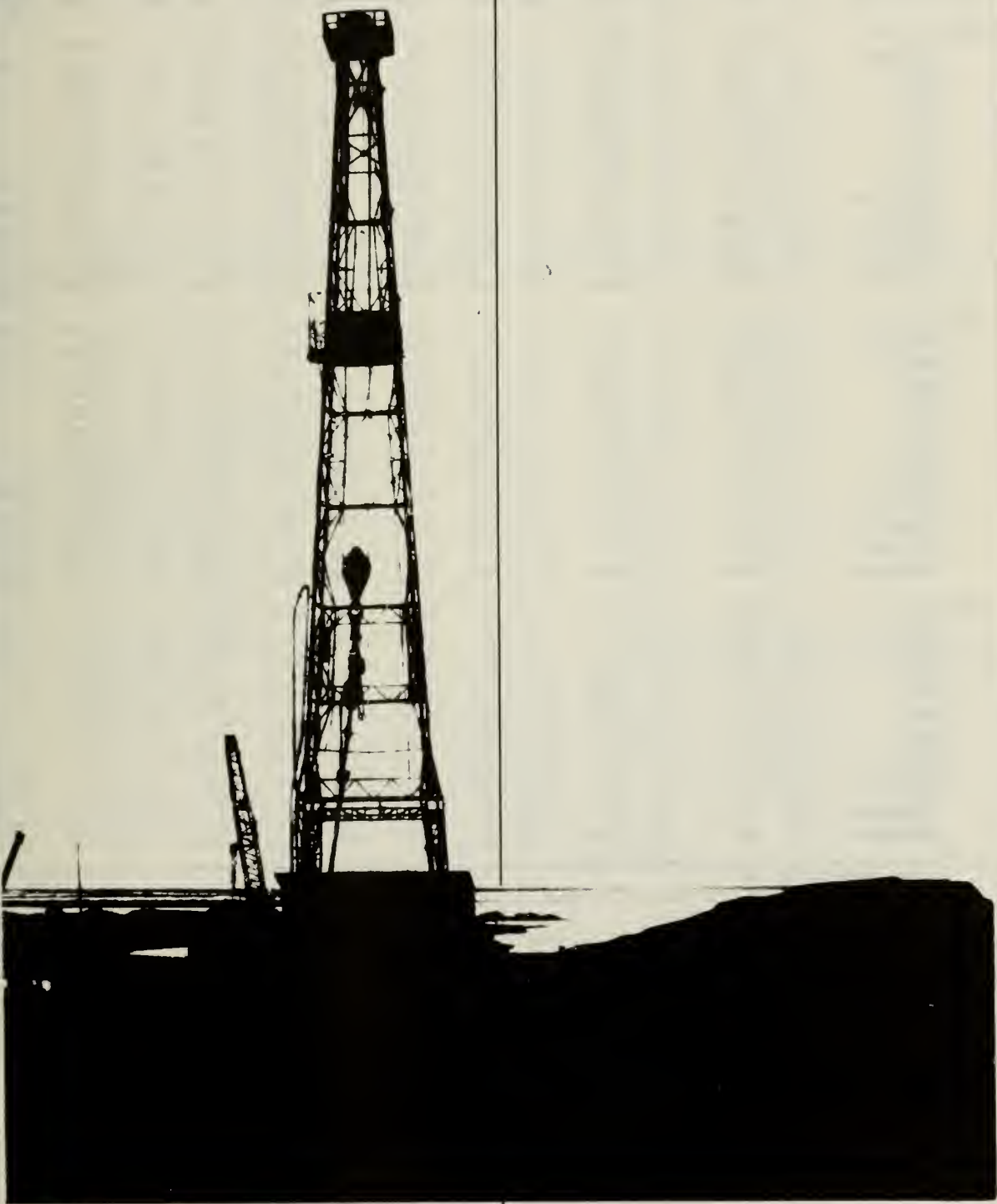
(s) = Less than 0.05 million barrels per day or less than 0.05 percent.

NOTE: Percent changes are based on unrounded values. November 1984 data are estimates based on weekly data, except for exports, NGL production, other hydrocarbons, and alcohol which are October 1984 monthly values. Totals may not be equal to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Monthly*, October 1984.

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Summary Statistics



Crude Oil¹ and Petroleum Products Overview

| | | Field Production | | | Stock Withdrawal ² | | | Ending Stocks ³ |
|------|------------|-----------------------------|-----------|------------------------------|-------------------------------|--------------------|-----------------------------|---|
| | | Total Domestic ⁴ | Crude Oil | Natural Gas Plant Production | Crude Oil ⁵ | Petroleum Products | Petroleum Products Supplied | Crude Oil ⁵ and Petroleum Products |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 10,975 | 9,208 | 1,738 | 11 | -146 | 17,308 | 1,008 |
| 1974 | Average | 10,498 | 8,774 | 1,688 | -62 | -117 | 16,653 | ⁸ 1,074 |
| 1975 | Average | 10,045 | 8,375 | 1,633 | ⁸ -17 | ⁸ -145 | 16,322 | 1,133 |
| 1976 | Average | 9,774 | 8,132 | 1,603 | -39 | 96 | 17,461 | 1,112 |
| 1977 | Average | 9,913 | 8,245 | 1,618 | -170 | -378 | 18,431 | 1,312 |
| 1978 | Average | 10,328 | 8,707 | 1,567 | -78 | 172 | 18,847 | 1,278 |
| 1979 | Average | 10,179 | 8,552 | 1,584 | -148 | -25 | 18,513 | 1,341 |
| 1980 | Average | 10,214 | 8,597 | 1,573 | -98 | -42 | 17,056 | ⁸ 1,392 |
| 1981 | Average | 10,230 | 8,572 | 1,609 | ⁸ -290 | ⁸ 130 | 16,058 | 1,484 |
| | | | | | | | | |
| 1982 | January | 10,128 | 8,509 | 1,578 | -401 | 1,298 | 16,124 | 1,456 |
| | February | 10,312 | 8,702 | 1,563 | -242 | 1,230 | 16,001 | 1,428 |
| | March | 10,284 | 8,667 | 1,572 | 121 | 1,047 | 15,560 | 1,392 |
| | April | 10,188 | 8,591 | 1,542 | -37 | 1,583 | 16,046 | 1,346 |
| | May | 10,244 | 8,683 | 1,518 | 29 | -66 | 14,847 | 1,347 |
| | June | 10,212 | 8,646 | 1,511 | 40 | -489 | 14,998 | 1,360 |
| | July | 10,229 | 8,658 | 1,513 | -147 | -926 | 14,821 | 1,393 |
| | August | 10,215 | 8,634 | 1,524 | -440 | -44 | 14,839 | 1,408 |
| | September | 10,279 | 8,701 | 1,518 | 263 | -447 | 15,022 | 1,414 |
| | October | 10,299 | 8,701 | 1,530 | -548 | -47 | 14,859 | 1,432 |
| | November | 10,359 | 8,697 | 1,609 | -398 | -361 | 15,009 | 1,455 |
| | December | 10,276 | 8,598 | 1,628 | 128 | 688 | 15,487 | ⁸ 1,430 |
| | Average | 10,252 | 8,649 | 1,550 | -136 | 283 | 15,296 | |
| | | | | | | | | |
| 1983 | January | 10,331 | 8,697 | 1,580 | ⁸ -499 | ⁸ 772 | 14,722 | 1,452 |
| | February | 10,388 | 8,758 | 1,575 | -320 | 1,113 | 14,792 | 1,430 |
| | March | 10,279 | 8,700 | 1,541 | 83 | 1,810 | 15,541 | 1,372 |
| | April | 10,322 | 8,776 | 1,506 | -402 | 308 | 14,692 | 1,374 |
| | May | 10,190 | 8,631 | 1,493 | -15 | -602 | 14,505 | 1,394 |
| | June | 10,261 | 8,667 | 1,523 | -122 | -276 | 15,289 | 1,405 |
| | July | 10,228 | 8,636 | 1,539 | 233 | -909 | 15,019 | 1,426 |
| | August | 10,284 | 8,679 | 1,562 | -796 | -271 | 15,480 | 1,460 |
| | September | 10,447 | 8,784 | 1,602 | -239 | -621 | 15,506 | 1,485 |
| | October | 10,434 | 8,771 | 1,604 | -274 | -442 | 14,962 | 1,508 |
| | November | 10,461 | 8,770 | 1,641 | 114 | -182 | 15,500 | 1,510 |
| | December | 9,983 | 8,397 | 1,544 | -329 | 2,133 | 16,726 | 1,454 |
| | Average | 10,299 | 8,688 | 1,559 | -214 | 234 | 15,231 | |
| | | | | | | | | |
| 1984 | January | 10,282 | 8,659 | 1,585 | -342 | 1,085 | 16,726 | 1,430 |
| | February | 10,410 | 8,726 | 1,629 | 186 | -1,353 | 15,389 | 1,464 |
| | March | 10,354 | 8,718 | 1,588 | -2 | 643 | 16,017 | 1,444 |
| | April | 10,347 | 8,688 | 1,616 | -565 | -128 | 15,484 | 1,465 |
| | May | 10,415 | 8,752 | 1,610 | -616 | -422 | 15,566 | 1,497 |
| | June | 10,398 | 8,743 | 1,612 | -95 | -77 | 15,687 | 1,502 |
| | July | 10,487 | 8,769 | 1,649 | -184 | -184 | 15,547 | 1,514 |
| | August | 10,476 | 8,781 | 1,663 | 250 | 185 | 16,130 | 1,500 |
| | September | 10,464 | 8,759 | 1,666 | 266 | -736 | 15,315 | 1,514 |
| | October* | 10,549 | 8,847 | 1,648 | R-798 | R-211 | R15,631 | R1,545 |
| | November** | NA | 8,846 | NA | -561 | -271 | 15,463 | 1,559 |
| | Average | NA | 8,753 | NA | -226 | -124 | 15,728 | |

¹ Includes lease condensate.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Stocks are totals as of end of period.

⁴ Includes crude oil, natural gas plant production, other hydrocarbons, and alcohol.

⁵ Includes stocks located in the Strategic Petroleum Reserve.

⁶ Includes crude oil for storage in the Strategic Petroleum Reserve.

⁷ Net Imports equal Imports minus Exports.

⁸ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

Footnotes continued on following page.

Crude Oil¹ and Petroleum Products Overview (continued)

| | | Imports | | | Exports | | | | |
|--------------------------|------------|---------|------------------------|--------------------|---------|-----------|--------------------|-------|--------------------------|
| | | Total | Crude Oil ⁶ | Petroleum Products | Total | Crude Oil | Petroleum Products | | Net ⁷ Imports |
| | | | | | | | | | |
| Thousand Barrels per Day | | | | | | | | | |
| 1973 | Average | 6,256 | 3,244 | 3,012 | 231 | 2 | 229 | 6,025 | |
| 1974 | Average | 6,112 | 3,477 | 2,635 | 221 | 3 | 218 | 5,892 | |
| 1975 | Average | 6,056 | 4,105 | 1,951 | 209 | 6 | 204 | 5,846 | |
| 1976 | Average | 7,313 | 5,287 | 2,026 | 223 | 8 | 215 | 7,090 | |
| 1977 | Average | 8,807 | 6,615 | 2,193 | 243 | 50 | 193 | 8,565 | |
| 1978 | Average | 8,363 | 6,356 | 2,008 | 362 | 158 | 204 | 8,002 | |
| 1979 | Average | 8,456 | 6,519 | 1,937 | 472 | 235 | 237 | 7,984 | |
| 1980 | Average | 6,909 | 5,263 | 1,646 | 544 | 287 | 258 | 6,365 | |
| 1981 | Average | 5,996 | 4,396 | 1,599 | 595 | 228 | 367 | 5,401 | |
| 1982 | January | 5,332 | 3,693 | 1,639 | 829 | 238 | 591 | 4,503 | |
| | February | 4,807 | 2,990 | 1,817 | 804 | 304 | 499 | 4,003 | |
| | March | 4,484 | 2,874 | 1,610 | 882 | 321 | 561 | 3,602 | |
| | April | 4,378 | 2,849 | 1,529 | 786 | 174 | 611 | 3,593 | |
| | May | 4,811 | 3,309 | 1,503 | 803 | 262 | 542 | 4,008 | |
| | June | 5,327 | 3,836 | 1,491 | 703 | 94 | 609 | 4,624 | |
| | July | 5,890 | 4,248 | 1,642 | 741 | 229 | 512 | 5,149 | |
| | August | 5,244 | 3,851 | 1,392 | 858 | 304 | 554 | 4,386 | |
| | September | 5,414 | 3,636 | 1,778 | 791 | 184 | 606 | 4,624 | |
| | October | 5,306 | 3,670 | 1,636 | 932 | 270 | 662 | 4,374 | |
| | November | 5,744 | 3,862 | 1,882 | 786 | 262 | 524 | 4,958 | |
| | December | 4,606 | 3,000 | 1,605 | 860 | 193 | 667 | 3,746 | |
| | Average | 5,113 | 3,488 | 1,625 | 815 | 236 | 579 | 4,298 | |
| 1983 | January | 4,438 | 2,964 | 1,474 | 973 | 117 | 856 | 3,464 | |
| | February | 3,726 | 2,267 | 1,459 | 865 | 262 | 603 | 2,861 | |
| | March | 3,690 | 2,290 | 1,400 | 801 | 174 | 627 | 2,889 | |
| | April | 4,727 | 3,118 | 1,609 | 809 | 88 | 721 | 3,918 | |
| | May | 5,089 | 3,360 | 1,729 | 848 | 280 | 568 | 4,241 | |
| | June | 5,326 | 3,577 | 1,749 | 774 | 144 | 630 | 4,552 | |
| | July | 5,741 | 3,871 | 1,870 | 571 | 145 | 426 | 5,170 | |
| | August | 6,159 | 4,227 | 1,933 | 663 | 172 | 491 | 5,496 | |
| | September | 6,129 | 4,210 | 1,919 | 684 | 177 | 507 | 5,445 | |
| | October | 5,258 | 3,446 | 1,812 | 576 | 140 | 436 | 4,682 | |
| | November | 5,210 | 3,337 | 1,873 | 679 | 186 | 494 | 4,531 | |
| | December | 5,033 | 3,213 | 1,820 | 639 | 95 | 544 | 4,394 | |
| | Average | 5,051 | 3,329 | 1,722 | 739 | 164 | 575 | 4,312 | |
| 1984 | January | 5,347 | 3,029 | 2,318 | 575 | 153 | 422 | 4,772 | |
| | February | 5,643 | 2,952 | 2,691 | 582 | 185 | 397 | 5,061 | |
| | March | 5,253 | 3,455 | 1,798 | 840 | 236 | 605 | 4,413 | |
| | April | 5,319 | 3,417 | 1,902 | 655 | 172 | 483 | 4,664 | |
| | May | 5,916 | 3,927 | 1,989 | 766 | 219 | 548 | 5,150 | |
| | June | 5,304 | 3,410 | 1,893 | 864 | 222 | 642 | 4,440 | |
| | July | 5,387 | 3,646 | 1,741 | 536 | 108 | 429 | 4,851 | |
| | August | 5,036 | 3,244 | 1,793 | 732 | 190 | 542 | 4,305 | |
| | September | 5,173 | 3,294 | 1,880 | 664 | 162 | 502 | 4,510 | |
| | October* | R 5,767 | R 3,751 | R 2,016 | 599 | 141 | 458 | 5,167 | |
| | November** | 5,313 | 3,643 | 1,669 | NA | NA | NA | NA | |
| | Average | 5,405 | 3,436 | 1,969 | NA | NA | NA | NA | |

Footnotes continued.

* See Explanatory Note 9.1.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available.

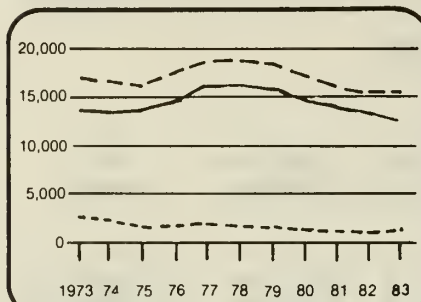
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

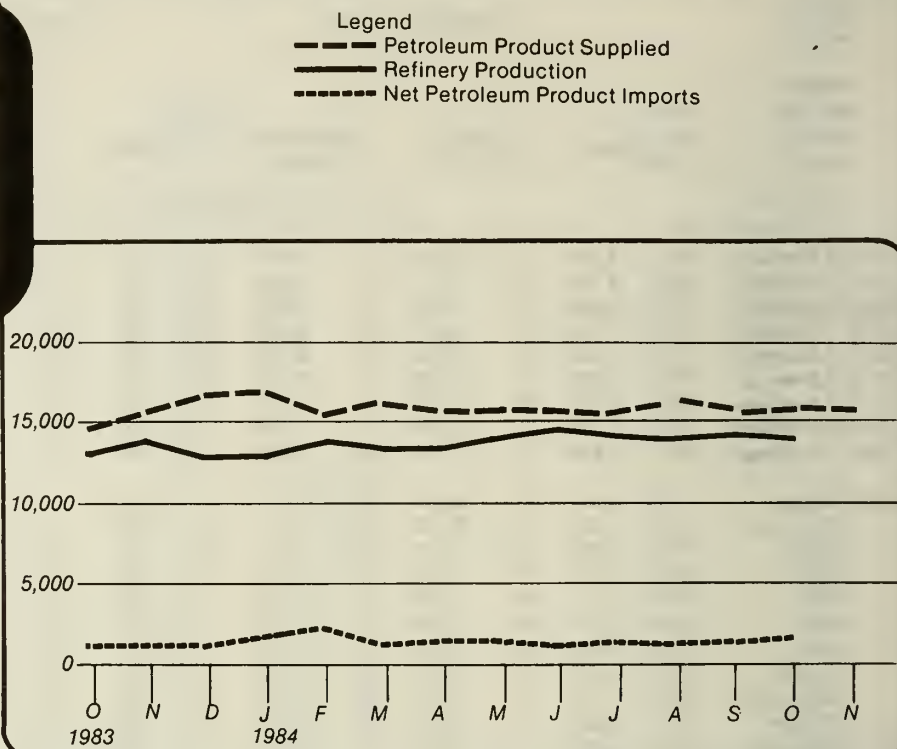
Source: See the last page of this section.

Petroleum Overview

(Thousand Barrels Per Day)



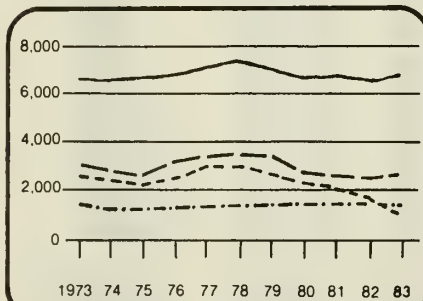
Annual



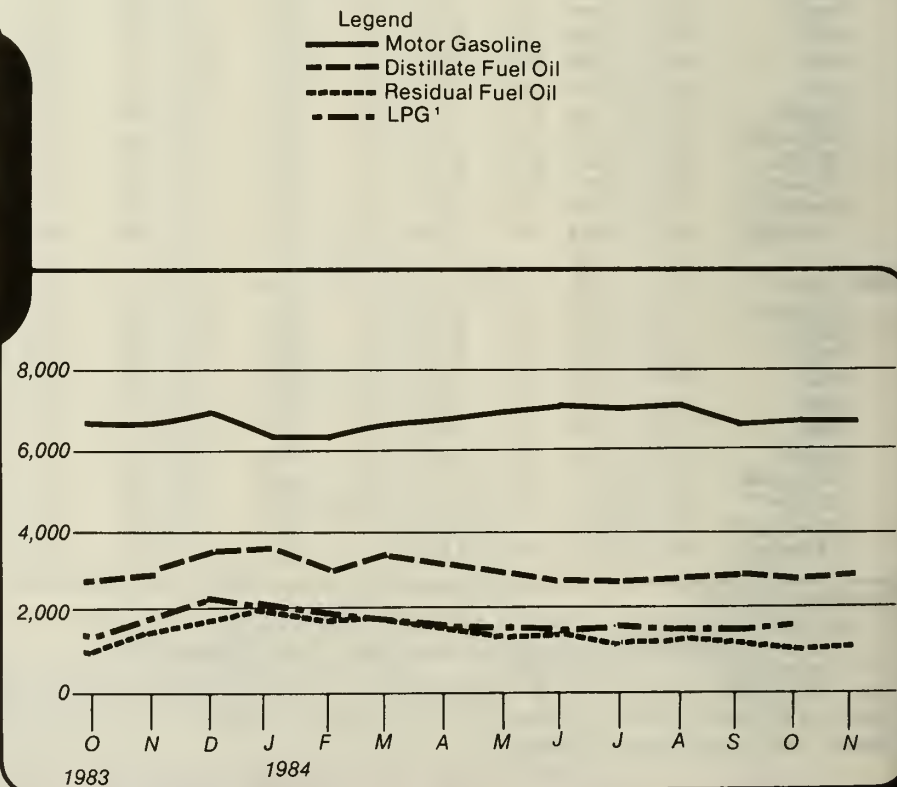
Month

Petroleum Products Supplied

(Thousand Barrels Per Day)



Annual

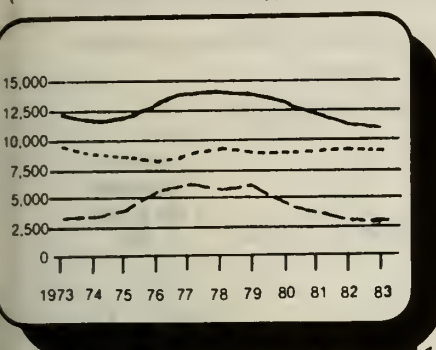


Month

¹ Liquefied Petroleum Gases

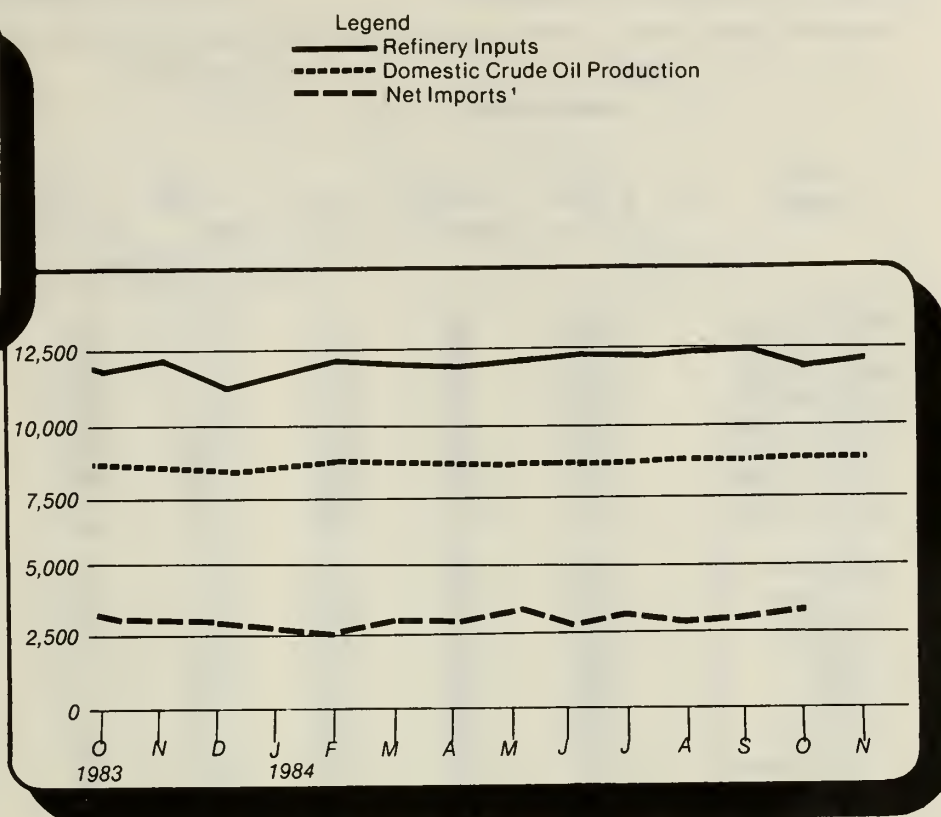
Crude Oil Supply and Disposition

(Thousand Barrels Per Day)



Annual

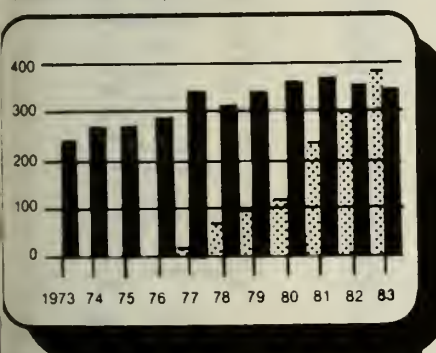
¹ Excludes SPR Imports



Monthly

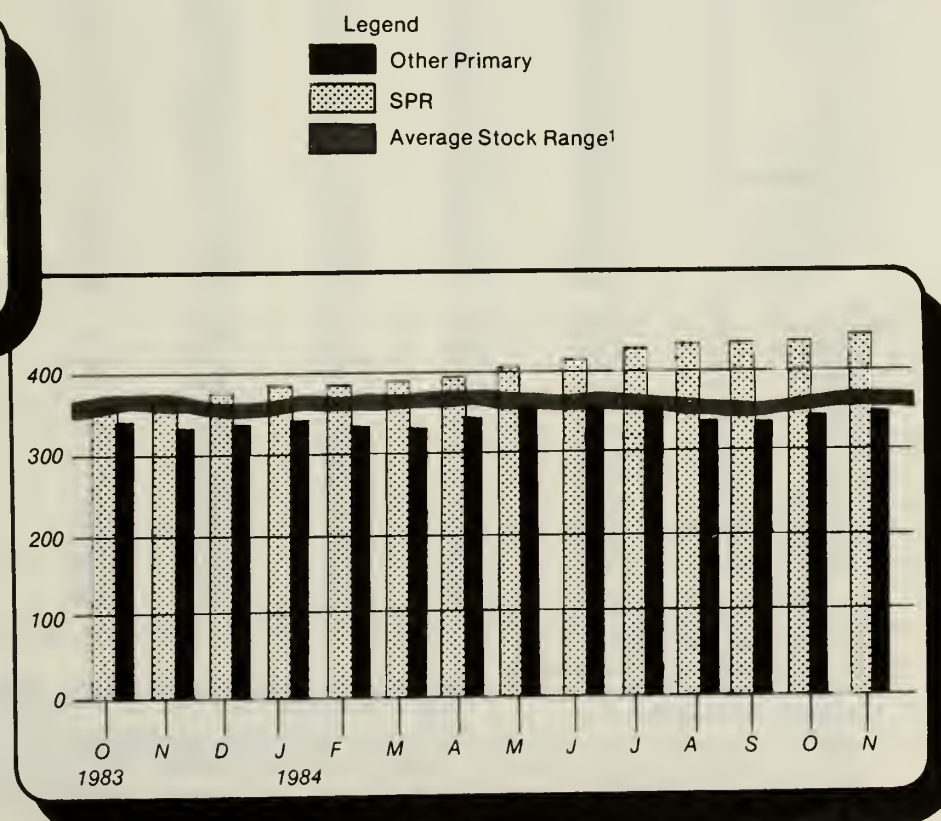
Crude Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for other primary crude oil based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Crude Oil¹ Supply and Disposition

| | | Supply | | | | | | |
|------|------------|--------------------------|---------|---------|------------------|---------|-------------------------------|--------------------------------------|
| | | Field Production | | Imports | | | Stock Withdrawal ³ | |
| | | Total Domestic | Alaskan | Total | SPR ⁴ | Other | SPR ⁴ | Other |
| | | Thousand Barrels per Day | | | | | | |
| | | | | | | | | Unac- counted for Crude Oil |
| 1973 | Average | 9,208 | 198 | 3,244 | | 3,244 | 11 | 3 |
| 1974 | Average | 8,774 | 193 | 3,477 | | 3,477 | -62 | -25 |
| 1975 | Average | 8,375 | 191 | 4,105 | | 4,105 | -17 | 17 |
| 1976 | Average | 8,132 | 173 | 5,287 | | 5,287 | -39 | 77 |
| 1977 | Average | 8,245 | 464 | 6,615 | 21 | 6,594 | -20 | -150 |
| 1978 | Average | 8,707 | 1,229 | 6,356 | 162 | 6,195 | -163 | 84 |
| 1979 | Average | 8,552 | 1,401 | 6,519 | 67 | 6,452 | -67 | -81 |
| 1980 | Average | 8,597 | 1,617 | 5,263 | 44 | 5,219 | -45 | -52 |
| 1981 | Average | 8,572 | 1,609 | 4,396 | 256 | 4,141 | -336 | 6 46 |
| 1982 | January | 8,509 | 1,705 | 3,693 | 170 | 3,523 | -159 | -242 |
| | February | 8,702 | 1,707 | 2,990 | 159 | 2,830 | -213 | -29 |
| | March | 8,667 | 1,696 | 2,874 | 185 | 2,689 | -235 | 357 |
| | April | 8,591 | 1,691 | 2,849 | 190 | 2,659 | -233 | 196 |
| | May | 8,683 | 1,707 | 3,309 | 204 | 3,105 | -176 | 205 |
| | June | 8,646 | 1,665 | 3,836 | 105 | 3,732 | -105 | 144 |
| | July | 8,658 | 1,710 | 4,248 | 97 | 4,150 | -97 | -50 |
| | August | 8,634 | 1,697 | 3,851 | 208 | 3,643 | -208 | -232 |
| | September | 8,701 | 1,705 | 3,636 | 139 | 3,497 | -143 | 406 |
| | October | 8,701 | 1,706 | 3,670 | 216 | 3,454 | -216 | -332 |
| | November | 8,697 | 1,676 | 3,862 | 180 | 3,683 | -179 | -219 |
| | December | 8,598 | 1,682 | 3,000 | 124 | 2,877 | -125 | 252 |
| | Average | 8,649 | 1,696 | 3,488 | 165 | 3,323 | -174 | 38 |
| 1983 | January | 8,697 | 1,732 | 2,964 | 219 | 2,746 | -219 | 6 -280 |
| | February | 8,758 | 1,717 | 2,267 | 197 | 2,070 | -197 | -123 |
| | March | 8,700 | 1,732 | 2,290 | 201 | 2,089 | -184 | 267 |
| | April | 8,776 | 1,721 | 3,118 | 205 | 2,913 | -197 | -205 |
| | May | 8,631 | 1,662 | 3,360 | 289 | 3,071 | -293 | 278 |
| | June | 8,667 | 1,687 | 3,577 | 190 | 3,387 | -188 | 66 |
| | July | 8,636 | 1,715 | 3,871 | 274 | 3,597 | -264 | 497 |
| | August | 8,679 | 1,697 | 4,227 | 350 | 3,876 | -358 | -438 |
| | September | 8,784 | 1,738 | 4,210 | 309 | 3,901 | -307 | 68 |
| | October | 8,771 | 1,733 | 3,446 | 202 | 3,244 | -201 | -73 |
| | November | 8,770 | 1,720 | 3,337 | 171 | 3,166 | -135 | 250 |
| | December | 8,397 | 1,711 | 3,213 | 193 | 3,020 | -252 | -78 |
| | Average | 8,688 | 1,714 | 3,329 | 234 | 3,096 | -234 | 20 |
| 1984 | January | 8,659 | 1,741 | 3,029 | 200 | 2,829 | -173 | -169 |
| | February | 8,726 | 1,740 | 2,952 | 85 | 2,868 | -96 | 282 |
| | March | 8,718 | 1,740 | 3,455 | 148 | 3,307 | -147 | 145 |
| | April | 8,688 | 1,725 | 3,417 | 170 | 3,247 | -170 | -396 |
| | May | 8,752 | 1,793 | 3,927 | 246 | 3,681 | -245 | -371 |
| | June | 8,743 | 1,792 | 3,410 | 309 | 3,101 | -309 | 214 |
| | July | 8,769 | 1,769 | 3,646 | 329 | 3,317 | -328 | 144 |
| | August | 8,781 | 1,725 | 3,244 | 180 | 3,064 | -179 | 429 |
| | September | 8,759 | 1,725 | 3,294 | 53 | 3,240 | -53 | 320 |
| | October* | 8,847 | 1,708 | R 3,751 | R 187 | R 3,564 | R -231 | R -567 |
| | November** | 8,846 | 1,707 | 3,643 | 259 | 3,384 | -247 | -313 |
| | Average | 8,753 | 1,742 | 3,436 | 197 | 3,239 | -199 | -27 |

¹ Includes lease condensate.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Strategic Petroleum Reserve.

⁵ Beginning in January 1983, crude oil used directly as fuel is shown as product supplied.

⁶ Stocks of Alaskan crude oil in transit were included beginning in January 1981. Stock withdrawals are calculated using new basis stock levels. See Explanatory Notes 10 and 11.

Footnotes continued on following page.

Crude Oil¹ Supply and Disposition (continued)

| | | Supply | Disposition | | | | Ending Stocks ² | | |
|------|------------|----------------------------------|--------------|-----------------|---------|--------------------------------|----------------------------|------------------|------------------|
| | | Crude Used Directly ⁵ | Crude Losses | Refinery Inputs | Exports | Products Supplied ⁵ | Total Crude Oil | SPR ⁴ | Other Primary |
| | | Thousand Barrels per Day | | | | | Million Barrels | | |
| 1973 | Average | -19 | 13 | 12,431 | 2 | NA | 242 | | 242 |
| 1974 | Average | -15 | 13 | 12,133 | 3 | NA | 265 | | 265 |
| 1975 | Average | -17 | 13 | 12,442 | 6 | NA | 271 | | 271 |
| 1976 | Average | -18 | 15 | 13,416 | 8 | NA | 285 | | 285 |
| 1977 | Average | -14 | 16 | 14,602 | 50 | NA | 348 | 7 | 340 |
| 1978 | Average | -14 | 16 | 14,739 | 158 | NA | 376 | 67 | 309 |
| 1979 | Average | -13 | 16 | 14,648 | 235 | NA | 430 | 91 | 339 |
| 1980 | Average | -13 | 15 | 13,481 | 287 | NA | ⁶ 466 | 108 | ⁶ 358 |
| 1981 | Average | -58 | 5 | 12,470 | 228 | NA | 594 | 230 | 363 |
| 1982 | | | | | | | | | |
| | January | -63 | 3 | 11,599 | 238 | NA | 606 | 235 | 371 |
| | February | -64 | 2 | 11,236 | 304 | NA | 613 | 241 | 372 |
| | March | -63 | 5 | 11,276 | 321 | NA | 609 | 249 | 361 |
| | April | -65 | 3 | 11,392 | 174 | NA | 610 | 256 | 355 |
| | May | -62 | 3 | 11,806 | 262 | NA | 609 | 261 | 348 |
| | June | -60 | 7 | 12,494 | 94 | NA | 608 | 264 | 344 |
| | July | -60 | 3 | 12,446 | 229 | NA | 613 | 267 | 346 |
| | August | -57 | 2 | 11,871 | 304 | NA | 626 | 274 | 353 |
| | September | -56 | 4 | 12,146 | 184 | NA | 619 | 278 | 341 |
| | October | -51 | 2 | 11,749 | 270 | NA | 636 | 285 | 351 |
| | November | -51 | 1 | 11,724 | 262 | NA | 648 | 290 | 358 |
| | December | -53 | 1 | 11,514 | 193 | NA | ⁶ 644 | 294 | 350 |
| | Average | -59 | 3 | 11,774 | 236 | NA | | | |
| 1983 | | | | | | | | | |
| | January | NA | 2 | 11,143 | 117 | 71 | 660 | 301 | 360 |
| | February | NA | 3 | 10,633 | 262 | 71 | 669 | 306 | 363 |
| | March | NA | 2 | 10,859 | 174 | 70 | 667 | 312 | 355 |
| | April | NA | 2 | 11,433 | 88 | 68 | 679 | 318 | 361 |
| | May | NA | 1 | 11,800 | 280 | 63 | 679 | 327 | 353 |
| | June | NA | (s) | 12,284 | 144 | 64 | 683 | 332 | 351 |
| | July | NA | 2 | 12,360 | 145 | 65 | 676 | 341 | 335 |
| | August | NA | 1 | 12,152 | 172 | 64 | 700 | 352 | 349 |
| | September | NA | 1 | 12,482 | 177 | 66 | 708 | 361 | 347 |
| | October | NA | 1 | 11,782 | 140 | 63 | 716 | 367 | 349 |
| | November | NA | 2 | 12,004 | 186 | 64 | 713 | 371 | 341 |
| | December | NA | 1 | 11,234 | 95 | 67 | 723 | 379 | 344 |
| | Average | NA | 2 | 11,685 | 164 | 66 | | | |
| 1984 | | | | | | | | | |
| | January | NA | 1 | 11,579 | 153 | 64 | 733 | 384 | 348 |
| | February | NA | 1 | 12,100 | 185 | 65 | 727 | 387 | 340 |
| | March | NA | 2 | 11,936 | 236 | 62 | 728 | 392 | 336 |
| | April | NA | (s) | 11,893 | 172 | 64 | 744 | 397 | 348 |
| | May | NA | 2 | 12,243 | 219 | 62 | 764 | 404 | 359 |
| | June | NA | 2 | 12,263 | 222 | 61 | 766 | 414 | 353 |
| | July | NA | 1 | 12,087 | 108 | 60 | 772 | 424 | 348 |
| | August | NA | 1 | 12,403 | 190 | 63 | 764 | 429 | 335 |
| | September | NA | -2 | 12,327 | 162 | 66 | 756 | 431 | 325 |
| | October* | NA | -1 | R 11,976 | 141 | 69 | R 781 | R 438 | R 343 |
| | November** | NA | NA | 12,240 | NA | NA | 790 | 443 | 346 |
| | Average | NA | NA | 12,094 | NA | NA | | | |

Footnotes continued.

* See Explanatory Note 9.2.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Crude Oil and Petroleum Product Imports

| | | Imports from OPEC Sources ¹ | | | | | | | | | |
|------|-----------|--|-------|--------------|----------------------|-----------|------|---------|-----------|-------------------------|------------------------------|
| | | Algeria | Libya | Saudi Arabia | United Arab Emirates | Indonesia | Iran | Nigeria | Venezuela | Other OPEC ² | Total Arab OPEC ³ |
| | | Thousand Barrels per Day | | | | | | | | | |
| 1973 | Average | 136 | 164 | 486 | 71 | 213 | 223 | 459 | 1,135 | 106 | 2,993 |
| 1974 | Average | 190 | 4 | 461 | 74 | 300 | 469 | 713 | 979 | 88 | 3,280 |
| 1975 | Average | 282 | 232 | 715 | 117 | 390 | 280 | 762 | 702 | 122 | 3,601 |
| 1976 | Average | 432 | 453 | 1,230 | 254 | 539 | 298 | 1,025 | 700 | 134 | 5,066 |
| 1977 | Average | 559 | 723 | 1,380 | 335 | 541 | 535 | 1,143 | 690 | 287 | 6,193 |
| 1978 | Average | 649 | 654 | 1,144 | 385 | 573 | 555 | 919 | 645 | 226 | 5,751 |
| 1979 | Average | 636 | 658 | 1,356 | 281 | 420 | 304 | 1,080 | 690 | 212 | 5,637 |
| 1980 | Average | 488 | 554 | 1,261 | 172 | 348 | 9 | 857 | 481 | 130 | 4,300 |
| 1981 | Average | 311 | 319 | 1,129 | 81 | 366 | 0 | 620 | 406 | 90 | 3,323 |
| 1982 | January | 254 | 161 | 877 | 111 | 289 | 0 | 663 | 376 | 128 | 2,859 |
| | February | 139 | 92 | 693 | 89 | 244 | 0 | 584 | 355 | 102 | 2,297 |
| | March | 91 | 37 | 555 | 155 | 200 | 0 | 522 | 399 | 91 | 2,051 |
| | April | 85 | 0 | 511 | 122 | 215 | 0 | 427 | 426 | 85 | 1,871 |
| | May | 179 | 0 | 601 | 116 | 236 | 0 | 222 | 422 | 54 | 1,830 |
| | June | 115 | 0 | 593 | 94 | 215 | 72 | 537 | 361 | 110 | 2,096 |
| | July | 159 | 0 | 660 | 108 | 327 | 69 | 910 | 356 | 95 | 2,685 |
| | August | 181 | 0 | 489 | 133 | 271 | 27 | 574 | 299 | 133 | 2,107 |
| | September | 179 | 0 | 432 | 57 | 191 | 21 | 477 | 518 | 69 | 1,943 |
| | October | 249 | 7 | 494 | 61 | 242 | 108 | 313 | 504 | 106 | 2,084 |
| | November | 247 | 14 | 489 | 47 | 283 | 34 | 479 | 528 | 115 | 2,235 |
| | December | 155 | 0 | 237 | 12 | 265 | 88 | 462 | 399 | 73 | 1,690 |
| | Average | 170 | 26 | 552 | 92 | 248 | 35 | 514 | 412 | 97 | 2,146 |
| 1983 | January | 207 | 0 | 282 | 47 | 255 | 43 | 186 | 337 | 54 | 1,412 |
| | February | 115 | 0 | 214 | 9 | 217 | 0 | 92 | 393 | 28 | 1,068 |
| | March | 63 | 0 | 103 | 0 | 138 | 0 | 121 | 440 | 201 | 1,066 |
| | April | 227 | 0 | 162 | (s) | 210 | 0 | 186 | 523 | 125 | 1,432 |
| | May | 286 | 0 | 122 | 12 | 405 | 37 | 385 | 455 | 69 | 1,771 |
| | June | 300 | 0 | 188 | 40 | 466 | 38 | 467 | 335 | 138 | 1,973 |
| | July | 283 | 0 | 182 | 64 | 464 | 112 | 525 | 434 | 187 | 2,251 |
| | August | 378 | 0 | 448 | 52 | 433 | 213 | 464 | 511 | 230 | 2,728 |
| | September | 423 | 0 | 587 | 21 | 501 | 86 | 324 | 432 | 221 | 2,595 |
| | October | 261 | 0 | 638 | 16 | 368 | 12 | 307 | 337 | 169 | 2,108 |
| | November | 184 | 0 | 545 | 56 | 302 | 21 | 215 | 452 | 135 | 1,910 |
| | December | 144 | 0 | 569 | 45 | 294 | 9 | 329 | 415 | 163 | 1,969 |
| | Average | 240 | 0 | 337 | 30 | 338 | 48 | 302 | 422 | 144 | 1,862 |
| 1984 | January | 242 | 0 | 463 | 114 | 278 | 0 | 243 | 547 | 51 | 1,939 |
| | February | 348 | 0 | 324 | 33 | 267 | 0 | 244 | 481 | 174 | 1,871 |
| | March | 283 | 0 | 307 | 112 | 284 | 67 | 260 | 354 | 127 | 1,792 |
| | April | 280 | 0 | 320 | 95 | 221 | 0 | 288 | 581 | 158 | 1,944 |
| | May | 456 | 0 | 329 | 240 | 480 | 0 | 289 | 621 | 242 | 2,657 |
| | June | 284 | 0 | 411 | 46 | 415 | 0 | 243 | 574 | 139 | 2,112 |
| | July | 332 | 0 | 429 | 112 | 384 | 0 | 204 | 535 | 242 | 2,237 |
| | August | 404 | 0 | 438 | 82 | 281 | 0 | 114 | 487 | 216 | 2,021 |
| | September | 343 | 0 | 159 | 113 | 333 | 17 | 160 | 689 | 147 | 1,961 |
| | October | 333 | 0 | 287 | 114 | 436 | 0 | 208 | 578 | 115 | 2,070 |
| | AVERAGE | 331 | 0 | 347 | 107 | 338 | 8 | 225 | 544 | 161 | 2,062 |

¹ Excludes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

² Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.

³ Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar. Footnotes continued on following page.

Crude Oil and Petroleum Product Imports (continued)

| | | Imports from Non-OPEC Sources ⁴ | | | | | | | | | | |
|------|-----------|--|--------|--------|------------------------------|---------------------------|-------------------|----------------|-------------------|----------------------|----------------------|------------------|
| | | Baha- mas | Canada | Mexico | Nether- lands Antilles | Trinidad and Tobago | United Kingdom | Puerto Rico | Virgin Islands | Other Non OPEC | Total Non OPEC | Total Imports |
| | | | | | | | | | | | | |
| 1973 | Average | 174 | 1,325 | 16 | 585 | 255 | 15 | 99 | 329 | 465 | 3,263 | 6,256 |
| 1974 | Average | 164 | 1,070 | 8 | 511 | 251 | 8 | 90 | 391 | 340 | 2,832 | 6,112 |
| 1975 | Average | 152 | 846 | 71 | 332 | 242 | 14 | 90 | 406 | 300 | 2,454 | 6,056 |
| 1976 | Average | 118 | 599 | 87 | 275 | 274 | 31 | 88 | 422 | 353 | 2,247 | 7,313 |
| 1977 | Average | 171 | 517 | 179 | 211 | 289 | 126 | 105 | 466 | 550 | 2,614 | 8,807 |
| 1978 | Average | 160 | 467 | 318 | 229 | 253 | 180 | 94 | 429 | 484 | 2,613 | 8,363 |
| 1979 | Average | 147 | 538 | 439 | 231 | 190 | 202 | 92 | 431 | 548 | 2,819 | 8,456 |
| 1980 | Average | 78 | 455 | 533 | 225 | 176 | 176 | 88 | 388 | 491 | 2,609 | 6,909 |
| 1981 | Average | 74 | 447 | 522 | 197 | 133 | 375 | 62 | 327 | 534 | 2,672 | 5,996 |
| 1982 | January | 58 | 513 | 425 | 179 | 106 | 346 | 62 | 334 | 452 | 2,474 | 5,332 |
| | February | 67 | 537 | 476 | 221 | 120 | 181 | 38 | 362 | 508 | 2,510 | 4,807 |
| | March | 43 | 437 | 503 | 189 | 118 | 294 | 62 | 307 | 480 | 2,433 | 4,484 |
| | April | 82 | 360 | 476 | 184 | 166 | 247 | 36 | 266 | 690 | 2,507 | 4,387 |
| | May | 77 | 419 | 766 | 152 | 95 | 516 | 47 | 302 | 607 | 2,981 | 4,811 |
| | June | 32 | 481 | 797 | 148 | 129 | 557 | 58 | 322 | 708 | 3,231 | 5,327 |
| | July | 64 | 536 | 783 | 158 | 118 | 433 | 38 | 376 | 698 | 3,204 | 5,890 |
| | August | 80 | 443 | 853 | 145 | 106 | 520 | 24 | 317 | 650 | 3,137 | 5,244 |
| | September | 92 | 493 | 897 | 195 | 89 | 631 | 51 | 278 | 746 | 3,472 | 5,414 |
| | October | 45 | 459 | 682 | 148 | 109 | 666 | 52 | 262 | 801 | 3,222 | 5,306 |
| | November | 51 | 553 | 860 | 212 | 90 | 623 | 81 | 334 | 706 | 3,508 | 5,744 |
| | December | 88 | 561 | 689 | 174 | 102 | 438 | 48 | 336 | 480 | 2,916 | 4,606 |
| | Average | 65 | 482 | 685 | 175 | 112 | 456 | 50 | 316 | 627 | 2,968 | 5,113 |
| 1983 | January | 68 | 534 | 849 | 228 | 73 | 314 | 40 | 299 | 621 | 3,026 | 4,438 |
| | February | 92 | 586 | 722 | 183 | 81 | 193 | 50 | 192 | 558 | 2,658 | 3,726 |
| | March | 86 | 488 | 775 | 187 | 78 | 240 | 43 | 162 | 565 | 2,624 | 3,690 |
| | April | 174 | 454 | 981 | 216 | 85 | 421 | 20 | 183 | 759 | 3,295 | 4,727 |
| | May | 135 | 518 | 944 | 153 | 108 | 484 | 42 | 235 | 699 | 3,318 | 5,089 |
| | June | 137 | 586 | 830 | 173 | 120 | 440 | 48 | 262 | 757 | 3,353 | 5,326 |
| | July | 69 | 634 | 849 | 198 | 107 | 369 | 37 | 364 | 864 | 3,490 | 5,741 |
| | August | 144 | 542 | 906 | 197 | 90 | 461 | 40 | 313 | 738 | 3,431 | 6,159 |
| | September | 148 | 533 | 849 | 261 | 82 | 475 | 33 | 307 | 845 | 3,534 | 6,129 |
| | October | 171 | 532 | 771 | 172 | 106 | 414 | 48 | 357 | 580 | 3,151 | 5,258 |
| | November | 148 | 556 | 726 | 144 | 110 | 334 | 55 | 427 | 801 | 3,300 | 5,210 |
| | December | 127 | 604 | 710 | 153 | 113 | 429 | 22 | 278 | 628 | 3,063 | 5,033 |
| | Average | 125 | 547 | 826 | 189 | 96 | 382 | 40 | 282 | 701 | 3,189 | 5,051 |
| 1984 | January | 152 | 624 | 705 | 277 | 54 | 382 | 53 | 390 | 772 | 3,408 | 5,347 |
| | February | 142 | 620 | 747 | 288 | 77 | 338 | 58 | 418 | 1,083 | 3,772 | 5,643 |
| | March | 88 | 726 | 707 | 169 | 93 | 400 | 34 | 247 | 996 | 3,460 | 5,253 |
| | April | 88 | 691 | 859 | 207 | 91 | 282 | 37 | 257 | 863 | 3,375 | 5,319 |
| | May | 31 | 715 | 675 | 192 | 57 | 418 | 38 | 336 | 796 | 3,259 | 5,916 |
| | June | 50 | 499 | 732 | 234 | 104 | 318 | 53 | 268 | 934 | 3,192 | 5,304 |
| | July | 14 | 574 | 738 | 99 | 120 | 362 | 27 | 292 | 924 | 3,150 | 5,387 |
| | August | 57 | 551 | 621 | 205 | 98 | 388 | 34 | 236 | 826 | 3,015 | 5,036 |
| | September | 101 | 537 | 762 | 133 | 103 | 490 | 38 | 245 | 803 | 3,213 | 5,173 |
| | October | 152 | 685 | 827 | 112 | 122 | 486 | 37 | 321 | 955 | 3,697 | 5,767 |
| | AVERAGE | 87 | 623 | 737 | 191 | 92 | 387 | 41 | 301 | 894 | 3,352 | 5,414 |

Footnotes continued.

⁴ Includes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

(⁵) = Less than 500 barrels per day.

Note: Beginning in October 1977, Strategic Petroleum Reserve imports are included.

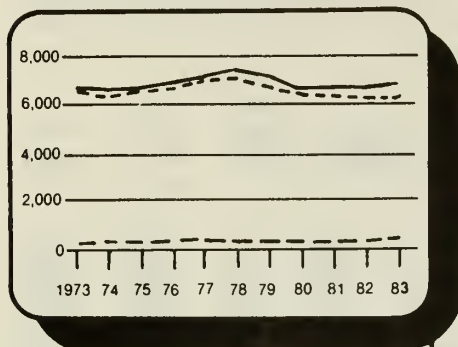
Total may not equal sum of components due to independent rounding.

Geographic coverage: The 50 United States and the District of Columbia.

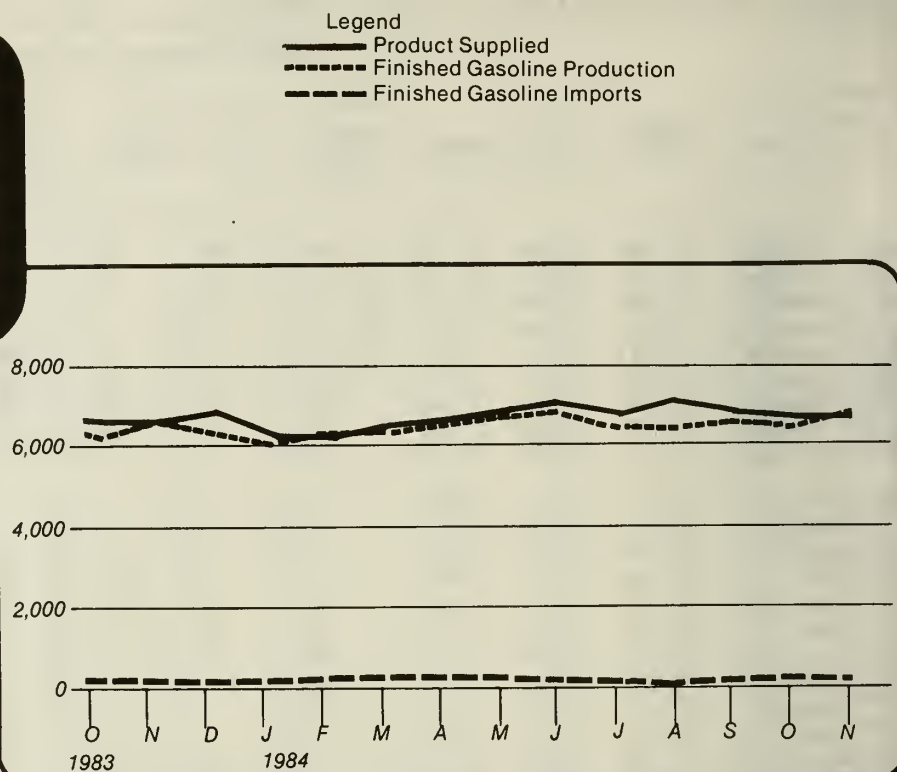
Source: See the last page of this section.

Motor Gasoline Supply and Disposition

(Thousand Barrels Per Day)



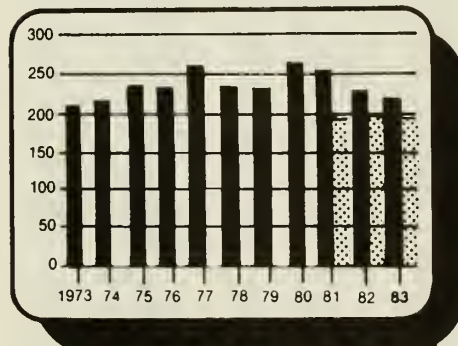
Annual



Month

Motor Gasoline Ending Stocks

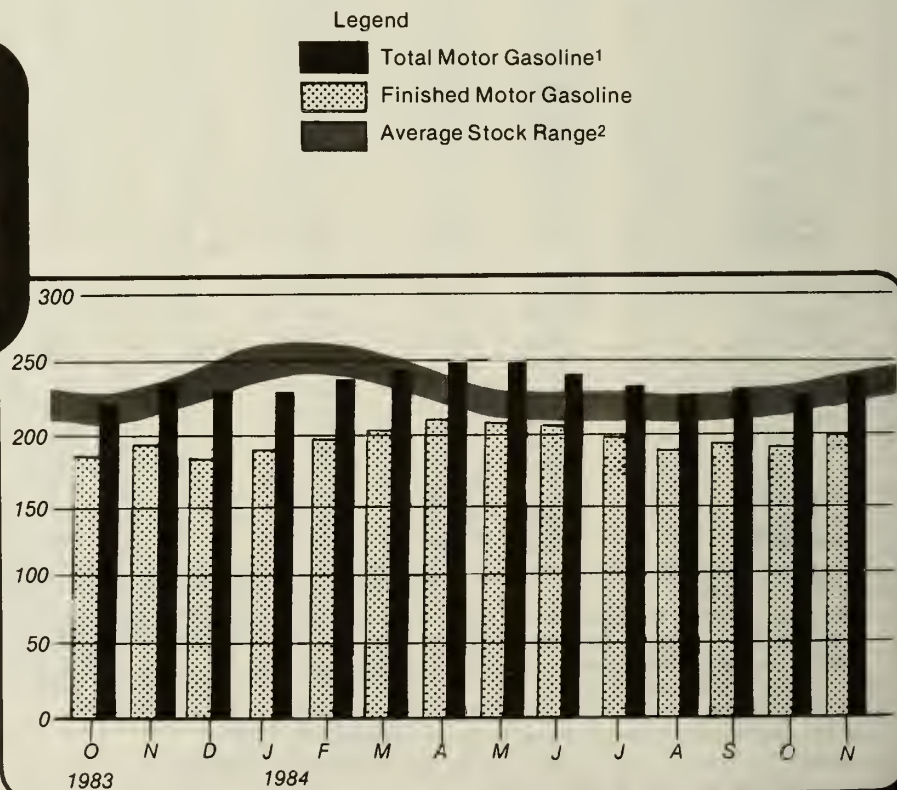
(Million Barrels)



Annual

¹ Includes motor gasoline blending components and finished motor gasoline.

² Level and width of Average Stock Range for total motor gasoline based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Month

Finished Motor Gasoline Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ¹ | | |
|--------------------------|----------------------|--------------------------|----------------------|---|-------------|-------------------|-----------------------|---|-------------------------------|------------------|
| | | Total Produc- tion | Imports ² | Stock With- drawal ^{2 3} | Exports | Products Supplied | | Total Motor Gasoline ⁵ | Finished Motor Gasoline | |
| | | | | | | Total | Unleaded ⁴ | | | Unleaded |
| | | | | | | | | | | |
| Thousand Barrels per Day | | | | | | | Percent of Total | Million Barrels | | |
| 73 | Average | 6,535 | 134 | 9 | 4 | 6,674 | NA | NA | 209 | |
| 74 | Average | 6,360 | 204 | -24 | 2 | 6,537 | NA | NA | ⁶ 218 | |
| 75 | Average | 6,520 | 184 | ⁶ -28 | 2 | 6,675 | NA | NA | 235 | |
| 76 | Average | 6,841 | 131 | 10 | 3 | 6,978 | NA | NA | 231 | |
| 77 | Average | 7,033 | 217 | -72 | 2 | 7,177 | 1,976 | 27.5 | 258 | |
| 78 | Average | 7,169 | 190 | 54 | 1 | 7,412 | 2,521 | 34.0 | 238 | |
| 79 | Average | 6,852 | 181 | 2 | 0 | 7,034 | 2,798 | 39.8 | 237 | |
| 80 | Average | 6,506 | 140 | -66 | 1 | 6,579 | 3,067 | 46.6 | ⁶ 261 | |
| 81 | Average ⁷ | 6,405 | 157 | ⁶ 28 | 2 | 6,588 | 3,264 | 49.5 | 253 | |
| 82 | January | 6,167 | 128 | -316 | 18 | 5,961 | 3,067 | 51.5 | 261 | 213 |
| | February | 5,899 | 133 | 172 | 8 | 6,196 | 3,210 | 51.8 | 257 | 208 |
| | March | 5,994 | 183 | 334 | 44 | 6,466 | 3,358 | 51.9 | 247 | 198 |
| | April | 6,095 | 185 | 650 | 33 | 6,897 | 3,495 | 50.7 | 221 | 179 |
| | May | 6,319 | 182 | 177 | 23 | 6,655 | 3,415 | 51.3 | 214 | 173 |
| | June | 6,754 | 230 | -134 | 14 | 6,835 | 3,565 | 52.2 | 219 | 177 |
| | July | 6,768 | 225 | -178 | 24 | 6,790 | 3,577 | 52.7 | 226 | 183 |
| | August | 6,419 | 291 | -81 | 16 | 6,614 | 3,526 | 53.3 | 227 | 185 |
| | September | 6,527 | 223 | -198 | 22 | 6,531 | 3,404 | 52.1 | 234 | 191 |
| | October | 6,262 | 185 | -42 | 15 | 6,391 | 3,351 | 52.4 | 234 | 192 |
| | November | 6,273 | 211 | 101 | 11 | 6,574 | 3,451 | 52.5 | 230 | 189 |
| | December | 6,542 | 178 | -165 | 7 | 6,549 | 3,485 | 53.2 | ⁶ 235 | ⁶ 194 |
| | Average | 6,338 | 197 | 25 | 20 | 6,539 | 3,409 | 52.1 | | |
| 83 | January | 6,065 | 153 | ⁶ -167 | 0 | 6,051 | 3,364 | 55.6 | 250 | 207 |
| | February | 5,848 | 128 | 24 | 0 | 6,000 | 3,264 | 54.4 | 250 | 207 |
| | March | 5,906 | 186 | 768 | 23 | 6,836 | 3,622 | 53.0 | 223 | 183 |
| | April | 6,201 | 255 | -3 | 1 | 6,452 | 3,492 | 54.1 | 221 | 183 |
| | May | 6,397 | 305 | -83 | 1 | 6,617 | 3,558 | 53.8 | 223 | 185 |
| | June | 6,655 | 277 | 84 | 22 | 6,994 | 3,792 | 54.2 | 223 | 183 |
| | July | 6,707 | 302 | -225 | 18 | 6,765 | 3,746 | 55.4 | 231 | 190 |
| | August | 6,537 | 250 | 161 | 13 | 6,936 | 3,836 | 55.3 | 226 | 185 |
| | September | 6,611 | 279 | -149 | 14 | 6,727 | 3,691 | 54.9 | 229 | 189 |
| | October | 6,188 | 330 | 72 | 2 | 6,588 | 3,711 | 56.3 | 227 | 187 |
| | November | 6,634 | 269 | -298 | 2 | 6,603 | 3,692 | 55.9 | 236 | 196 |
| | December | 6,308 | 224 | 339 | 25 | 6,846 | 3,966 | 57.9 | 222 | 186 |
| | Average | 6,340 | 247 | 45 | 10 | 6,622 | 3,647 | 55.1 | | |
| 84 | January | 6,037 | 233 | -1 | 1 | 6,268 | 3,606 | 57.5 | 225 | 186 |
| | February | 6,320 | 303 | -384 | 2 | 6,237 | 3,585 | 57.5 | 237 | 197 |
| | March | 6,375 | 343 | -197 | 9 | 6,512 | 3,747 | 57.5 | 243 | 203 |
| | April | 6,528 | 308 | -153 | 0 | 6,682 | 3,854 | 57.7 | 248 | 207 |
| | May | 6,650 | 329 | -106 | 0 | 6,873 | 3,990 | 58.1 | 253 | 211 |
| | June | 6,620 | 272 | 217 | 17 | 7,092 | 4,210 | 59.4 | 245 | 204 |
| | July | 6,481 | 247 | 130 | 9 | 6,849 | 4,094 | 59.8 | 239 | 200 |
| | August | 6,436 | 243 | 437 | 1 | 7,114 | 4,263 | 59.9 | 225 | 187 |
| | September | 6,545 | 333 | -263 | 2 | 6,614 | 3,982 | 60.2 | 235 | 194 |
| | October* | R 6,396 | R 293 | R 42 | 1 | R 6,730 | 4,074 | 60.5 | R 233 | R 193 |
| | November** | 6,710 | 264 | -263 | NA | 6,709 | NA | NA | 241 | 200 |
| | Average | 6,463 | 288 | -46 | NA | 6,700 | NA | NA | | |

¹ Stocks are totals as of end of period.

² Beginning in 1981, excludes blending components.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Includes gasohol.

⁵ Includes motor gasoline blending components.

⁶ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁷ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.3.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

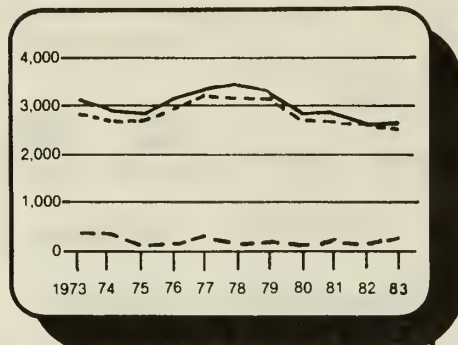
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

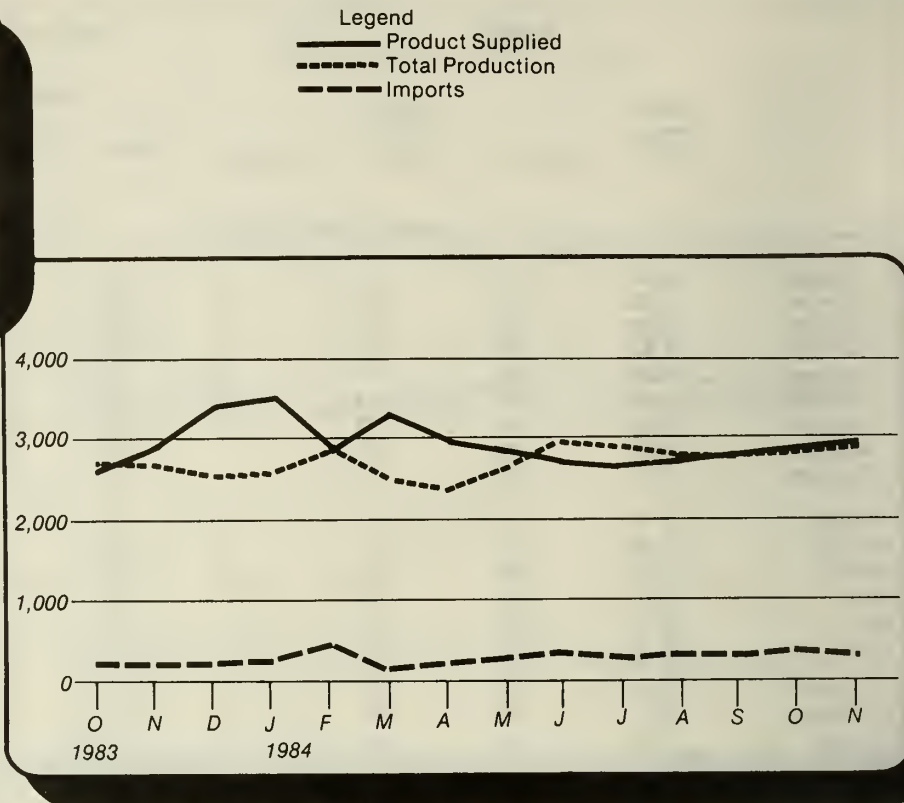
Source: See the last page of this section.

Distillate Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



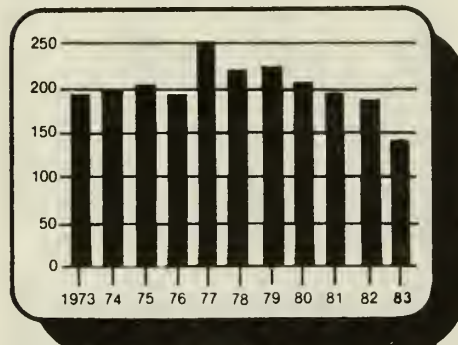
Annual



Month

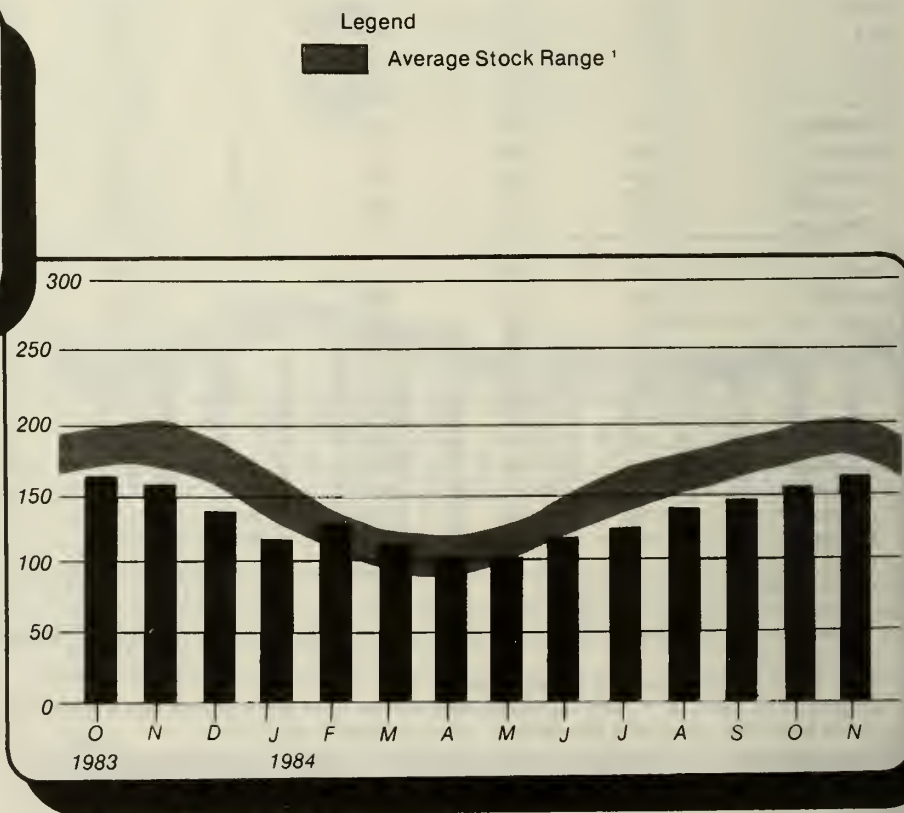
Distillate Fuel Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for distillate fuel oil is based on 3 years on data. Jul. 81-Jun. 84. See Explanatory Note 6.



Month

Distillate Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 2,822 | 392 | -115 | 2 | 9 | 3,092 | 196 |
| 1974 | Average | 2,669 | 289 | -9 | 2 | 2 | 2,948 | ⁴ 200 |
| 1975 | Average | 2,654 | 155 | ⁴ 40 | 2 | 1 | 2,851 | 209 |
| 1976 | Average | 2,924 | 146 | 62 | 1 | 1 | 3,133 | 186 |
| 1977 | Average | 3,278 | 250 | -176 | 1 | 1 | 3,352 | 250 |
| 1978 | Average | 3,167 | 173 | 93 | 1 | 3 | 3,432 | 216 |
| 1979 | Average | 3,153 | 193 | -34 | 1 | 3 | 3,311 | 229 |
| 1980 | Average | 2,662 | 142 | 64 | 1 | 3 | 2,866 | ⁴ 205 |
| 1981 | Average ⁵ | 2,613 | 173 | ⁴ 38 | 10 | 5 | 2,829 | 192 |
| 1982 | January | 2,606 | 97 | 876 | 10 | 90 | 3,484 | 164 |
| | February | 2,427 | 132 | 605 | 11 | 90 | 3,085 | 147 |
| | March | 2,288 | 48 | 682 | 10 | 84 | 2,945 | 126 |
| | April | 2,358 | 59 | 612 | 13 | 64 | 2,978 | 108 |
| | May | 2,618 | 74 | -183 | 10 | 75 | 2,444 | 114 |
| | June | 2,729 | 102 | -335 | 10 | 55 | 2,452 | 124 |
| | July | 2,734 | 125 | -789 | 11 | 24 | 2,058 | 148 |
| | August | 2,507 | 80 | -339 | 10 | 40 | 2,218 | 159 |
| | September | 2,657 | 61 | -85 | 12 | 139 | 2,507 | 161 |
| | October | 2,838 | 91 | -289 | 8 | 66 | 2,581 | 170 |
| | November | 2,860 | 145 | -514 | 8 | 24 | 2,475 | 186 |
| | December | 2,655 | 109 | 225 | 10 | 143 | 2,855 | ⁴ 179 |
| | Average | 2,606 | 93 | 35 | 10 | 74 | 2,671 | |
| 1983 | January | 2,321 | 68 | ⁴ 580 | NA | 173 | 2,797 | 168 |
| | February | 2,135 | 59 | 691 | NA | 105 | 2,780 | 148 |
| | March | 1,993 | 42 | 971 | NA | 59 | 2,947 | 118 |
| | April | 2,171 | 73 | 500 | NA | 47 | 2,697 | 103 |
| | May | 2,444 | 147 | -186 | NA | 50 | 2,354 | 109 |
| | June | 2,546 | 179 | -161 | NA | 40 | 2,524 | 114 |
| | July | 2,604 | 267 | -546 | NA | 55 | 2,270 | 131 |
| | August | 2,615 | 301 | -379 | NA | 43 | 2,495 | 142 |
| | September | 2,739 | 259 | -386 | NA | 37 | 2,575 | 154 |
| | October | 2,681 | 260 | -276 | NA | 55 | 2,611 | 163 |
| | November | 2,680 | 203 | 45 | NA | 54 | 2,874 | 161 |
| | December | 2,522 | 221 | 676 | NA | 54 | 3,365 | 140 |
| | Average | 2,456 | 174 | 124 | NA | 64 | 2,690 | |
| 1984 | January | 2,585 | 270 | 676 | NA | 40 | 3,490 | 119 |
| | February | 2,864 | 458 | -439 | NA | 41 | 2,842 | 132 |
| | March | 2,480 | 115 | 727 | NA | 66 | 3,256 | 110 |
| | April | 2,347 | 220 | 393 | NA | 32 | 2,929 | 98 |
| | May | 2,633 | 252 | -10 | NA | 48 | 2,827 | 98 |
| | June | 2,879 | 266 | -490 | NA | 53 | 2,602 | 113 |
| | July | 2,736 | 198 | -375 | NA | 40 | 2,518 | 125 |
| | August | 2,678 | 263 | -291 | NA | 74 | 2,575 | 134 |
| | September | 2,724 | 285 | -322 | NA | 22 | 2,665 | 143 |
| | October* | R 2,692 | R 424 | R -295 | NA | 47 | R 2,773 | R 152 |
| | November** | 2,836 | 318 | -204 | NA | NA | 2,902 | 161 |
| | Average | 2,676 | 278 | -54 | NA | NA | 2,854 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (*) = Less than 500 barrels per day.

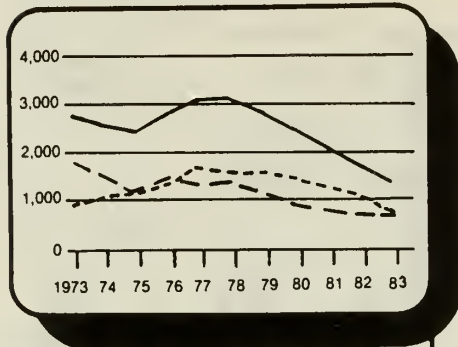
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

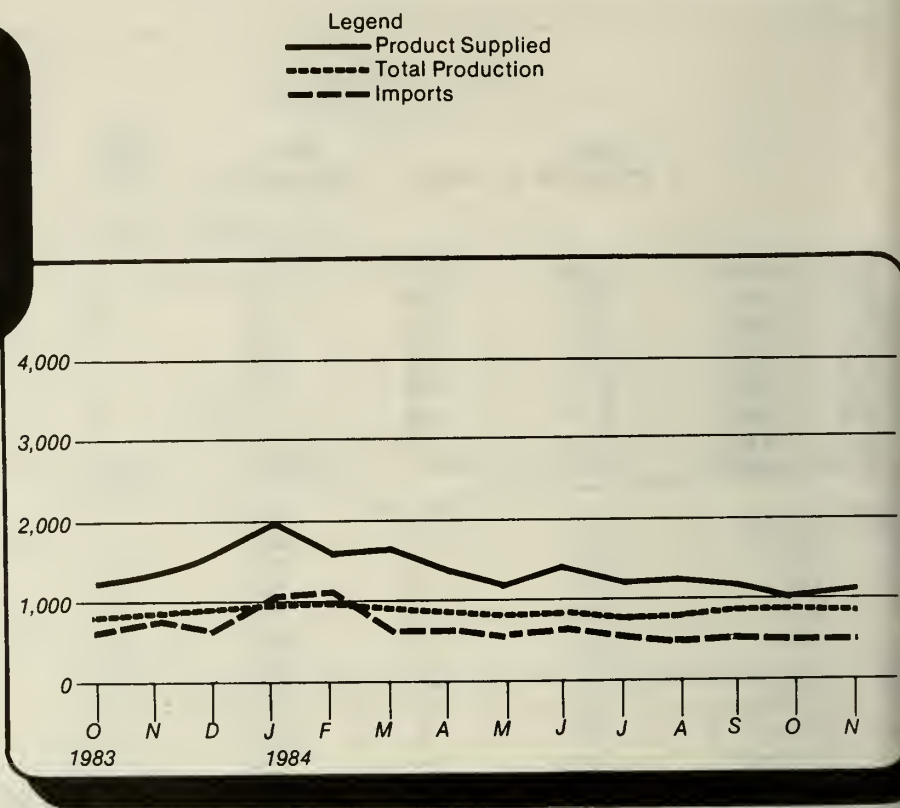
Source: See the last page of this section.

Residual Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)

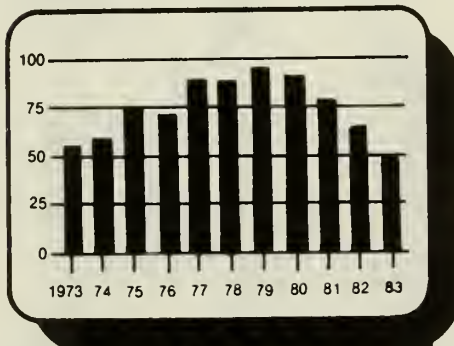


Annual



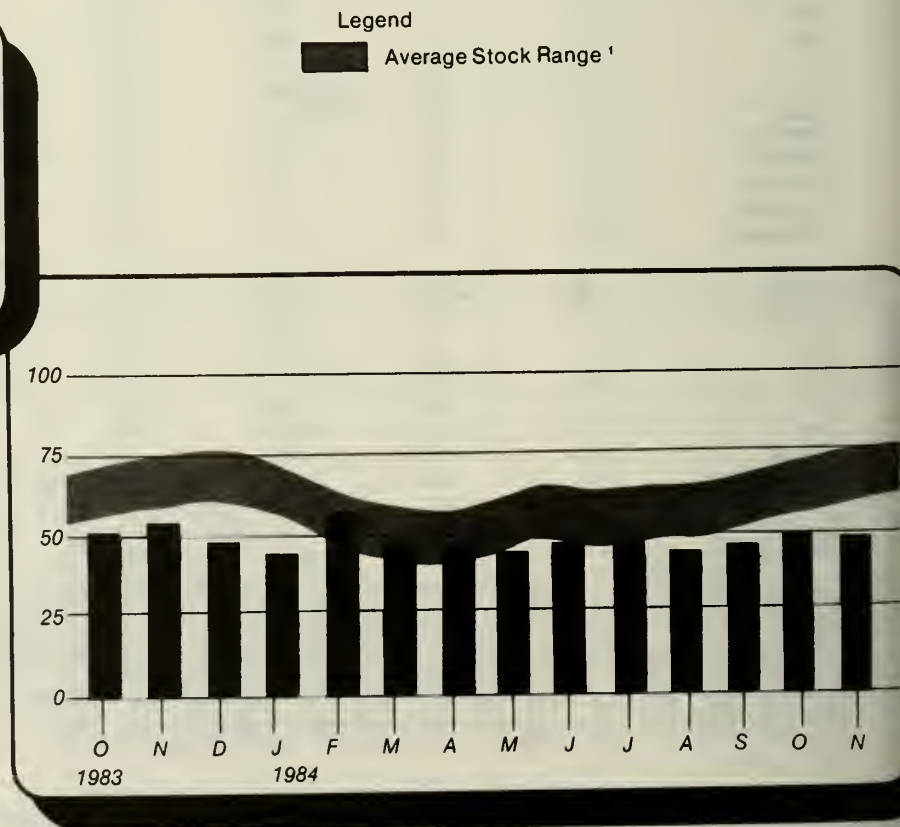
Residual Fuel Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for residual fuel oil based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



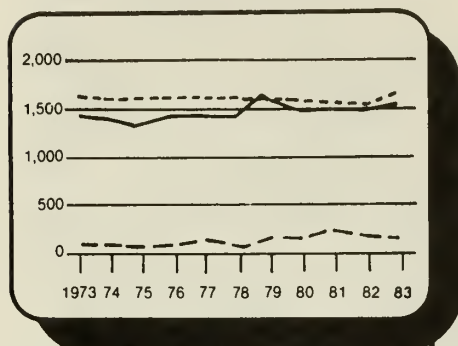
Residual Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|----------------------------------|--|-------------|-----------------------------------|-------------------------------|
| | | Total Produc- tion | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 971 | 1,853 | 5 | 17 | 23 | 2,822 | 53 |
| 1974 | Average | 1,070 | 1,587 | -17 | 13 | 14 | 2,639 | ⁴ 60 |
| 1975 | Average | 1,235 | 1,223 | ⁴ 2 | 15 | 15 | 2,462 | 74 |
| 1976 | Average | 1,377 | 1,413 | 5 | 17 | 12 | 2,801 | 72 |
| 1977 | Average | 1,754 | 1,359 | -48 | 13 | 6 | 3,071 | 90 |
| 1978 | Average | 1,667 | 1,355 | -1 | 13 | 13 | 3,023 | 90 |
| 1979 | Average | 1,687 | 1,151 | -15 | 12 | 9 | 2,826 | 96 |
| 1980 | Average | 1,580 | 939 | 10 | 12 | 33 | 2,508 | ⁴ 92 |
| 1981 | Average ⁵ | 1,321 | 800 | ⁴ 37 | 48 | 118 | 2,088 | 78 |
| 1982 | January | 1,235 | 831 | 301 | 53 | 235 | 2,185 | 69 |
| | February | 1,186 | 956 | 363 | 53 | 213 | 2,344 | 58 |
| | March | 1,123 | 912 | 12 | 53 | 197 | 1,903 | 58 |
| | April | 1,166 | 788 | 150 | 52 | 234 | 1,923 | 54 |
| | May | 1,128 | 742 | -172 | 52 | 191 | 1,560 | 59 |
| | June | 1,074 | 652 | -57 | 50 | 217 | 1,501 | 61 |
| | July | 1,028 | 657 | 56 | 49 | 239 | 1,550 | 59 |
| | August | 965 | 551 | 203 | 47 | 235 | 1,531 | 53 |
| | September | 1,008 | 872 | -306 | 44 | 148 | 1,470 | 62 |
| | October | 955 | 783 | -57 | 43 | 234 | 1,490 | 64 |
| | November | 989 | 837 | -94 | 43 | 182 | 1,591 | 66 |
| | December | 989 | 747 | 6 | 43 | 186 | 1,598 | ⁴ 66 |
| | Average | 1,070 | 776 | 32 | 48 | 209 | 1,716 | |
| 1983 | January | 972 | 691 | ⁴ 258 | NA | 294 | 1,626 | 61 |
| | February | 857 | 647 | 257 | NA | 191 | 1,570 | 53 |
| | March | 835 | 686 | 227 | NA | 169 | 1,579 | 46 |
| | April | 941 | 753 | -10 | NA | 310 | 1,374 | 47 |
| | May | 936 | 738 | -141 | NA | 190 | 1,342 | 51 |
| | June | 828 | 677 | 36 | NA | 218 | 1,323 | 50 |
| | July | 769 | 684 | -64 | NA | 90 | 1,299 | 52 |
| | August | 710 | 739 | 115 | NA | 165 | 1,400 | 48 |
| | September | 826 | 706 | -47 | NA | 134 | 1,351 | 50 |
| | October | 807 | 638 | -50 | NA | 153 | 1,243 | 51 |
| | November | 845 | 780 | -97 | NA | 167 | 1,362 | 54 |
| | December | 897 | 649 | 182 | NA | 141 | 1,587 | 49 |
| | Average | 852 | 699 | 55 | NA | 185 | 1,421 | |
| 1984 | January | 953 | 1,061 | 119 | NA | 151 | 1,981 | 45 |
| | February | 1,003 | 1,107 | -420 | NA | 87 | 1,602 | 58 |
| | March | 887 | 633 | 321 | NA | 204 | 1,637 | 48 |
| | April | 840 | 637 | 9 | NA | 130 | 1,357 | 47 |
| | May | 829 | 554 | 35 | NA | 200 | 1,218 | 46 |
| | June | 841 | 676 | -17 | NA | 176 | 1,324 | 47 |
| | July | 792 | 596 | -77 | NA | 99 | 1,213 | 49 |
| | August | 808 | 572 | 146 | NA | 260 | 1,266 | 45 |
| | September | 861 | 596 | -77 | NA | 214 | 1,165 | 47 |
| | October* | R 912 | R 461 | R -123 | NA | 174 | R 1,075 | R 51 |
| | November** | 875 | 462 | 26 | NA | NA | 1,126 | 49 |
| | Average | 872 | 667 | -3 | NA | NA | 1,360 | |

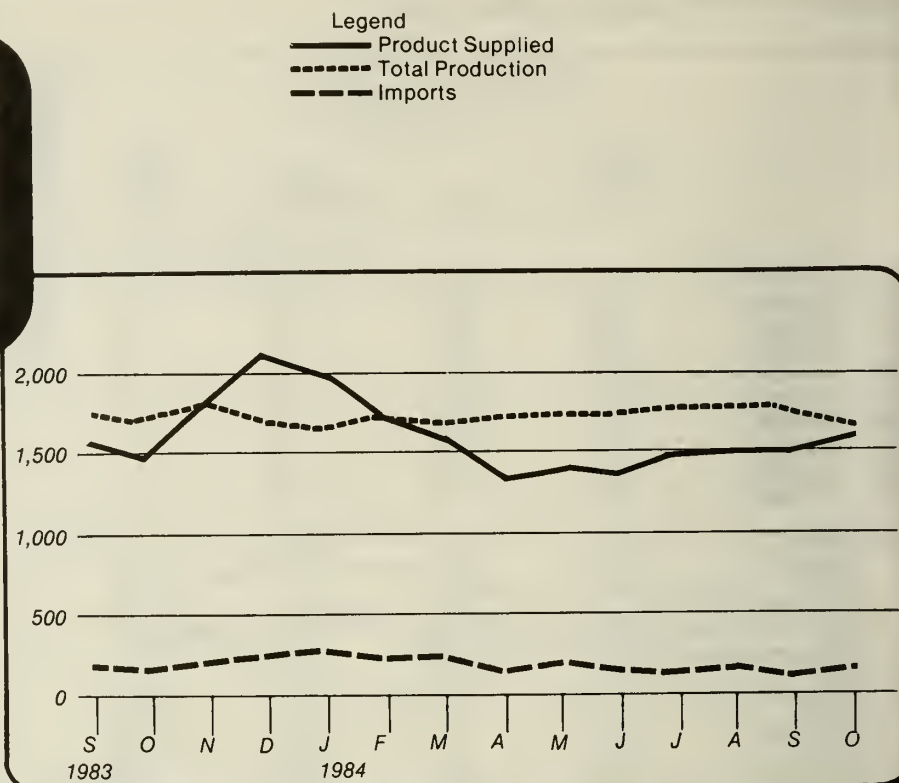
¹ Stocks are totals as of end of period.
² A negative number indicates an increase in stocks and a positive number indicates a decrease.
³ Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.
⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.
⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.
- Data not available.
* See Explanatory Note 9.4.
** Italics denote estimates based upon preliminary data. See Explanatory Note 8.
R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.
Note: Geographic coverage is the 50 United States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels Per Day)



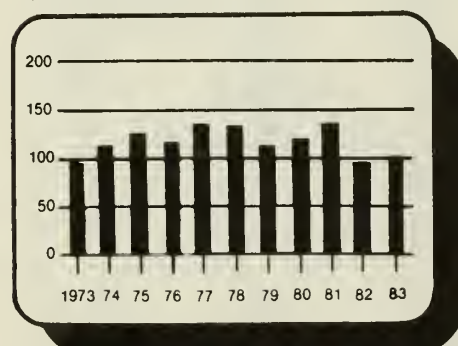
Annual



Monthly

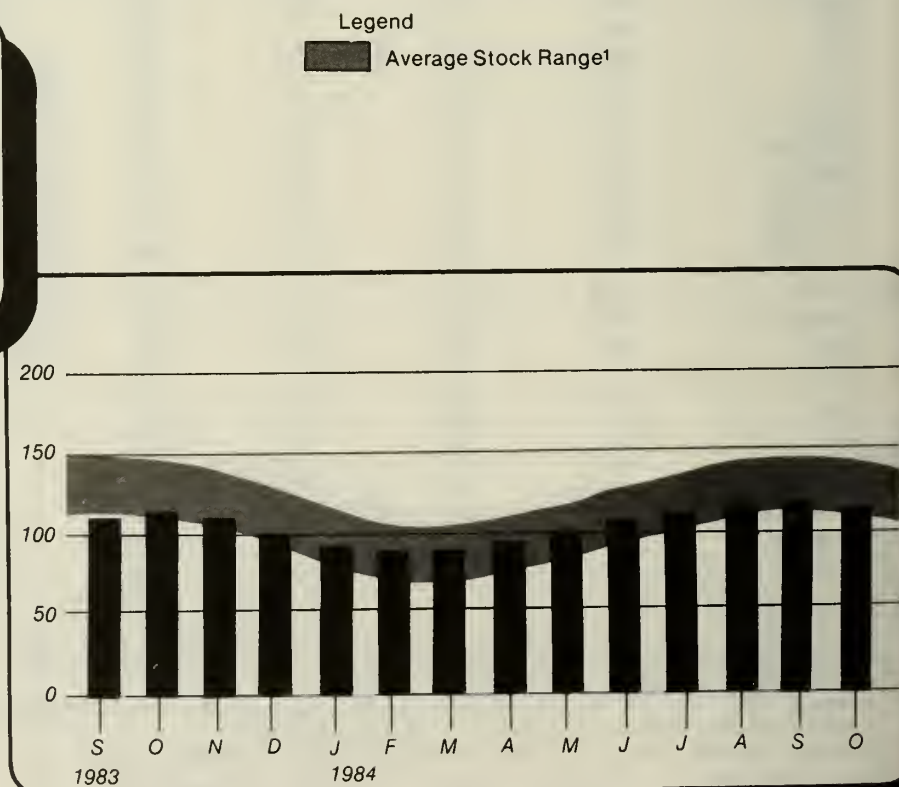
Liquefied Petroleum Gases Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Ranges for liquefied petroleum gas based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Liquefied Petroleum Gases¹ Supply and Disposition

| | Supply | | | Disposition | | | Ending Stocks ² |
|--------------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 Average | 1,600 | 132 | -35 | 220 | 27 | 1,449 | 99 |
| 1974 Average | 1,565 | 123 | -38 | 220 | 25 | 1,406 | ⁴ 113 |
| 1975 Average | 1,527 | 112 | ⁴ -35 | 246 | 26 | 1,333 | 125 |
| 1976 Average | 1,535 | 130 | 24 | 260 | 25 | 1,404 | 116 |
| 1977 Average | 1,566 | 161 | -55 | 233 | 18 | 1,422 | 136 |
| 1978 Average | 1,537 | 123 | 12 | 239 | 20 | 1,413 | 132 |
| 1979 Average | 1,556 | 217 | 70 | 236 | 15 | 1,592 | 111 |
| 1980 Average | 1,535 | 216 | -27 | 233 | 21 | 1,469 | ⁴ 120 |
| 1981 Average | 1,571 | 244 | ⁴ -18 | 289 | 42 | 1,466 | 135 |
| 1982 January | 1,565 | 314 | 443 | 391 | 67 | 1,863 | 121 |
| February | 1,466 | 291 | 243 | 327 | 51 | 1,621 | 114 |
| March | 1,544 | 223 | 211 | 289 | 74 | 1,615 | 108 |
| April | 1,506 | 188 | 98 | 257 | 77 | 1,458 | 105 |
| May | 1,565 | 186 | -71 | 234 | 43 | 1,403 | 107 |
| June | 1,515 | 192 | -86 | 262 | 106 | 1,254 | 109 |
| July | 1,476 | 227 | -13 | 253 | 37 | 1,399 | 110 |
| August | 1,511 | 125 | -45 | 254 | 61 | 1,276 | 111 |
| September | 1,538 | 247 | 37 | 274 | 85 | 1,463 | 110 |
| October | 1,517 | 194 | 97 | 306 | 81 | 1,421 | 107 |
| November | 1,542 | 267 | 175 | 363 | 37 | 1,583 | 102 |
| December | 1,580 | 258 | 256 | 395 | 56 | 1,642 | ⁴ 94 |
| Average | 1,528 | 226 | 111 | 300 | 65 | 1,499 | |
| 1983 January | 1,611 | 240 | ⁴ 520 | 313 | 118 | 1,939 | 86 |
| February | 1,600 | 305 | 128 | 244 | 76 | 1,713 | 82 |
| March | 1,543 | 166 | -9 | 197 | 127 | 1,377 | 82 |
| April | 1,607 | 124 | -156 | 198 | 116 | 1,260 | 87 |
| May | 1,613 | 167 | -225 | 207 | 84 | 1,263 | 94 |
| June | 1,664 | 172 | -334 | 203 | 59 | 1,241 | 104 |
| July | 1,656 | 191 | -221 | 217 | 55 | 1,354 | 111 |
| August | 1,586 | 160 | -199 | 229 | 29 | 1,289 | 117 |
| September | 1,705 | 178 | -30 | 236 | 86 | 1,531 | 118 |
| October | 1,688 | 160 | -81 | 268 | 32 | 1,467 | 120 |
| November | 1,785 | 180 | 70 | 362 | 33 | 1,640 | 118 |
| December | 1,645 | 247 | 575 | 363 | 66 | 2,038 | ⁴ 101 |
| Average | 1,642 | 190 | 4 | 253 | 73 | 1,509 | |
| 1984 January | 1,610 | 269 | ⁴ 470 | 333 | 23 | 1,993 | 93 |
| February | 1,690 | 237 | 146 | 323 | 41 | 1,708 | 89 |
| March | 1,685 | 241 | 12 | 289 | 68 | 1,581 | 89 |
| April | 1,711 | 155 | -170 | 253 | 54 | 1,389 | 94 |
| May | 1,709 | 211 | -221 | 244 | 42 | 1,412 | 101 |
| June | 1,714 | 158 | -189 | 237 | 53 | 1,394 | 106 |
| July | 1,750 | 132 | -138 | 232 | 43 | 1,469 | 111 |
| August | 1,744 | 154 | -132 | 241 | 34 | 1,491 | 115 |
| September | 1,704 | 128 | -24 | 283 | 26 | 1,499 | 115 |
| October* | 1,683 | 207 | 137 | 322 | 56 | 1,648 | 111 |
| Average | 1,700 | 189 | -11 | 276 | 44 | 1,559 | |

¹ Includes ethane, propane, normal butane, and isobutane.

Beginning in January 1984, unfractionated stream is reported by individual product.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.5.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Other Petroleum Products¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 3,693 | 502 | -9 | 750 | 166 | 3,270 | 208 |
| 1974 | Average | 3,558 | 432 | -28 | 665 | 174 | 3,123 | ⁴ 218 |
| 1975 | Average | 3,424 | 277 | ⁴ -2 | 537 | 160 | 3,002 | 219 |
| 1976 | Average | 3,643 | 206 | -5 | 524 | 175 | 3,145 | 220 |
| 1977 | Average | 3,912 | 205 | -27 | 514 | 165 | 3,410 | 230 |
| 1978 | Average | 4,046 | 166 | 14 | 492 | 167 | 3,568 | 225 |
| 1979 | Average | 4,153 | 195 | -37 | 352 | 209 | 3,749 | 238 |
| 1980 | Average | 3,956 | 210 | -23 | 311 | 198 | 3,634 | ⁴ 247 |
| 1981 | Average | 3,739 | 226 | ⁴ 46 | 723 | 199 | 3,088 | 282 |
| | | | | | | | | |
| 1982 | January | 3,171 | 269 | -7 | 624 | 180 | 2,631 | 282 |
| | February | 3,403 | 305 | -153 | 663 | 138 | 2,755 | 287 |
| | March | 3,466 | 243 | -191 | 725 | 161 | 2,631 | 293 |
| | April | 3,408 | 309 | 73 | 796 | 204 | 2,790 | 290 |
| | May | 3,317 | 318 | 184 | 824 | 210 | 2,785 | 285 |
| | June | 3,547 | 315 | 123 | 812 | 216 | 2,954 | 281 |
| | July | 3,660 | 408 | -1 | 856 | 187 | 3,023 | 281 |
| | August | 3,583 | 346 | 217 | 743 | 202 | 3,201 | 274 |
| | September | 3,533 | 375 | 105 | 749 | 213 | 3,051 | 271 |
| | October | 3,529 | 383 | 244 | 915 | 266 | 2,976 | 264 |
| | November | 3,498 | 423 | -28 | 837 | 269 | 2,786 | 264 |
| | December | 3,324 | 313 | 366 | 885 | 275 | 2,842 | ⁴ 253 |
| | Average | 3,453 | 334 | 80 | 787 | 211 | 2,869 | |
| | | | | | | | | |
| 1983 | January | 3,194 | 322 | ⁴ -419 | 588 | 271 | 2,239 | 271 |
| | February | 3,229 | 321 | 12 | 673 | 232 | 2,658 | 270 |
| | March | 3,381 | 319 | -147 | 572 | 249 | 2,732 | 275 |
| | April | 3,299 | 404 | -24 | 592 | 247 | 2,840 | 276 |
| | May | 3,405 | 374 | 35 | 705 | 242 | 2,866 | 275 |
| | June | 3,610 | 444 | 96 | 717 | 292 | 3,144 | 272 |
| | July | 3,636 | 425 | 148 | 735 | 209 | 3,265 | 267 |
| | August | 3,695 | 482 | 30 | 668 | 242 | 3,297 | 266 |
| | September | 3,792 | 497 | -6 | 788 | 236 | 3,255 | 266 |
| | October | 3,578 | 424 | -107 | 711 | 195 | 2,990 | 270 |
| | November | 3,568 | 441 | 95 | 912 | 238 | 2,957 | 267 |
| | December | 3,123 | 479 | 361 | 883 | 257 | 2,823 | ⁴ 256 |
| | Average | 3,460 | 411 | 6 | 712 | 242 | 2,923 | |
| | | | | | | | | |
| 1984 | January | 3,391 | 486 | ⁴ -177 | 561 | 207 | 2,931 | 253 |
| | February | 3,582 | 586 | -256 | 751 | 225 | 2,935 | 261 |
| | March | 3,510 | 466 | -218 | 530 | 258 | 2,969 | 268 |
| | April | 3,584 | 582 | -207 | 627 | 268 | 3,063 | 274 |
| | May | 3,683 | 642 | -118 | 775 | 257 | 3,175 | 277 |
| | June | 3,863 | 521 | 404 | 1,229 | 343 | 3,213 | 265 |
| | July | 3,866 | 567 | 278 | 1,034 | 238 | 3,438 | 257 |
| | August | 3,855 | 561 | 24 | 648 | 172 | 3,621 | 256 |
| | September | 3,768 | 539 | -51 | 712 | 238 | 3,306 | 258 |
| | October* | 3,580 | 632 | 30 | 724 | 180 | 3,336 | 257 |
| | Average | 3,668 | 558 | -29 | 758 | 238 | 3,200 | |

¹ Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.6.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Sources

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*.
2. 1977 through 1980: Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report*.
3. January 1981 through December 1983: EIA, *Petroleum Supply Annual*.
4. January 1984 through October 1984: Detailed statistics in appropriate Issues of the *Petroleum Supply Monthly*. (See Explanatory Notes 9.1 through 9.6).
5. November 1984: Estimates based on EIA weekly data (except domestic crude oil production) (see Explanatory Note 1.1).
6. January 1984 through November 1984: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies and the U.S. Geological Survey. (See Explanatory Note 3).

Detailed Statistics



[illegible]

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[illegible]

1. U.S. Petroleum Balance, October 1984

| | Current Month | | Year-to-date | |
|--|------------------|--------------------------|------------------|--------------------------|
| | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| Crude Oil (Including Lease Condensate) | | | | |
| Field Production | | | | |
| Alaska | E 52,948 | 1,708 | E 532,470 | 1,746 |
| Lower 48 States | E 221,303 | 7,139 | E 2,134,553 | 6,999 |
| Total U.S. | E 274,251 | 8,847 | E 2,667,023 | 8,744 |
| Net Imports | | | | |
| Imports (Gross Excluding SPR) | 110,499 | 3,564 | 983,469 | 3,224 |
| SPR Imports | 5,782 | 187 | 58,366 | 191 |
| Exports | 4,371 | 141 | 54,436 | 178 |
| Imports (Net Including SPR) | 111,910 | 3,610 | 987,399 | 3,237 |
| Other Sources | | | | |
| SPR Withdrawal (+) or Addition (-) | -7,165 | -231 | -59,145 | -194 |
| Other Stock Withdrawal (+) or Addition (-) | -17,585 | -567 | 260 | 1 |
| Product Supplied and Losses | -2,108 | -68 | -19,662 | -64 |
| Unaccounted for 1 | 11,950 | 385 | 108,487 | 356 |
| Total Other Sources | -14,908 | -481 | 29,940 | 98 |
| Crude Input to Refineries | 371,253 | 11,976 | 3,684,362 | 12,080 |
| (1) = (3) + (7) + (12) | | | | |
| Natural Gas Plant Liquids (NGPL) | | | | |
| Field Production | 51,090 | 1,648 | 496,120 | 1,627 |
| Net Imports 2 | 1,236 | 40 | 12,839 | 42 |
| Stock Withdrawal (+) or Addition (-) 2 | 1,334 | 43 | 284 | 1 |
| Total NGPL Supply | 53,660 | 1,731 | 509,243 | 1,670 |
| Other Liquids | | | | |
| Unfinished Oils and Gasoline Blending Components, Total | | | | |
| Stock Withdrawal (+) or Addition (-) | -2,004 | -65 | -6,220 | -20 |
| Imports | 11,277 | 364 | 95,663 | 314 |
| Other Hydrocarbons and Alcohol New Supply (Field Production) ... | 1,667 | 54 | 14,455 | 47 |
| Refinery Processing Gain 1 | 16,693 | 538 | 167,975 | 551 |
| Crude Oil Product Supplied | 2,133 | 69 | 19,417 | 64 |
| Total Other Liquids | 29,766 | 960 | 291,290 | 955 |
| (23) = (18) through (22) | | | | |
| Total Production of Products 3 | 454,679 | 14,667 | 4,484,895 | 14,705 |
| (4) = (13) + (17) + (23) | | | | |
| Net Imports of Refined Products 3 | | | | |
| Imports (Gross) | 49,895 | 1,610 | 500,355 | 1,641 |
| Exports | 14,135 | 456 | 152,733 | 501 |
| Imports (Net) | 35,760 | 1,154 | 347,623 | 1,139 |
| Total New Supply of Products | 490,439 | 15,821 | 4,832,517 | 15,844 |
| (5) = (24) + (27) | | | | |
| Refined Products Stock Withdrawal (+) or Addition (-) 3 | -5,867 | -189 | -27,548 | -90 |
| Total Petroleum Products Supplied for Domestic Use | 484,572 | 15,631 | 4,804,970 | 15,754 |
| (6) = (28) + (29) | | | | |
| Finished Motor Gasoline | 208,625 | 6,730 | 2,043,218 | 6,699 |
| Distillate Fuel Oil | 85,976 | 2,773 | 868,927 | 2,849 |
| Residual Fuel Oil | 33,330 | 1,075 | 421,896 | 1,383 |
| Liquefied Petroleum Gases | 51,085 | 1,648 | 475,377 | 1,559 |
| Other 4 | 103,422 | 3,336 | 976,135 | 3,200 |
| Crude Oil | 2,133 | 69 | 19,417 | 64 |
| Total Product Supplied | 484,572 | 15,631 | 4,804,970 | 15,754 |
| (37) = (31) through (36) | | | | |
| Ending Stocks, All Oils | | | | |
| Crude Oil and Lease Condensate (Excluding SPR) | 342,916 | -- | 342,916 | -- |
| Strategic Petroleum Reserve (SPR) | 438,234 | -- | 438,234 | -- |
| Unfinished Oils | 111,168 | -- | 111,168 | -- |
| Gasoline Blending Components 5 | 40,072 | -- | 40,072 | -- |
| Pentanes Plus | 8,481 | -- | 8,481 | -- |
| Finished Refined Products 3 | 604,598 | -- | 604,598 | -- |
| Total Stocks | 1,545,469 | -- | 1,545,469 | -- |

balancing item.
includes products in the pentanes plus category only.
or products included see Explanatory Note 9.7.
cludes pentanes plus, other liquids, and all finished petroleum
products except finished motor gasoline, distillate fuel oil, residual fuel
oil and liquefied petroleum gases.
cludes other hydrocarbons and alcohol.
Estimated.
Not Applicable.
: Total may not equal sum of components due to independent rounding.
ces and estimation procedures: See Explanatory Notes 1, 2 and 9.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, October 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 274,251 | 0 | 116,281 | -24,750 | 11,950 | -25 | 371,253 | 4,371 | 2,133 | 781,150 |
| Natural Gas Liquids and LRGs | 50,984 | 10,385 | 7,719 | 5,567 | 0 | 0 | 17,137 | 1,811 | 55,707 | 119,539 |
| Pentanes Plus | 9,196 | 0 | 1,312 | 1,334 | 0 | 0 | 7,144 | 77 | 4,622 | 8,481 |
| Liquefied Petroleum Gases | 41,788 | 10,385 | 6,407 | 4,233 | 0 | 0 | 9,993 | 1,734 | 51,085 | 111,058 |
| Ethane | 15,870 | 515 | 1,814 | -377 | 0 | 0 | 44 | 153 | 17,625 | 20,695 |
| Propane | 16,440 | 8,310 | 2,578 | 1,920 | 0 | 0 | 108 | 1,226 | 27,914 | 62,160 |
| Normal Butane | 6,399 | 1,475 | 1,214 | 2,877 | 0 | 0 | 6,117 | 279 | 5,570 | 18,685 |
| Isobutane | 3,079 | 85 | 801 | -187 | 0 | 0 | 3,724 | 77 | -23 | 9,518 |
| Other Liquids | 1,667 | 0 | 11,277 | -2,004 | 0 | 0 | 15,294 | 0 | -4,354 | 151,240 |
| Other Hydrocarbons and Alcohol | 1,667 | 0 | 0 | -22 | 0 | 0 | 1,645 | 0 | 0 | 356 |
| Unfinished Oils | 0 | 0 | 7,021 | -2,697 | 0 | 0 | 9,345 | 0 | -5,021 | 111,168 |
| Motor Gasoline Blending Components | 0 | 0 | 4,256 | 740 | 0 | 0 | 4,332 | 0 | 664 | 39,375 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -25 | 0 | 0 | -28 | 0 | 3 | 341 |
| Finished Petroleum Products | 106 | 409,992 | 43,488 | -10,100 | 0 | 0 | 0 | 12,400 | 431,086 | 493,540 |
| Finished Motor Gasoline | 1 | 198,286 | 9,079 | 1,291 | 0 | 0 | 0 | 31 | 208,625 | 193,169 |
| Finished Leaded Motor Gasoline | 1 | 74,998 | 3,513 | 3,837 | 0 | 0 | 0 | 31 | 82,318 | 84,077 |
| Finished Unleaded Motor Gasoline | 0 | 123,288 | 5,566 | -2,546 | 0 | 0 | 0 | 0 | 126,308 | 109,092 |
| Finished Aviation Gasoline | 0 | 674 | 6 | -56 | 0 | 0 | 0 | 0 | 624 | 2,475 |
| Naphtha-Type Jet Fuel | 0 | 6,416 | 0 | 556 | 0 | 0 | 0 | 233 | 6,739 | 6,460 |
| Kerosene-Type Jet Fuel | 0 | 29,698 | 1,514 | 106 | 0 | 0 | 0 | 158 | 31,160 | 38,102 |
| Kerosene | 1 | 4,139 | 734 | -2,247 | 0 | 0 | 0 | 3 | 2,624 | 11,236 |
| Distillate Fuel Oil | 47 | 83,396 | 13,137 | -9,144 | 0 | 0 | 0 | 1,460 | 85,976 | 152,358 |
| Residual Fuel Oil | 0 | 28,265 | 14,282 | -3,819 | 0 | 0 | 0 | 5,398 | 33,330 | 50,790 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 2,538 | 1,355 | 59 | 0 | 0 | 0 | 160 | 3,792 | 1,791 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 5,700 | 0 | 29 | 0 | 0 | 0 | 396 | 5,333 | 1,580 |
| Special Naphthas | 0 | 1,628 | 1,598 | 150 | 0 | 0 | 0 | 33 | 3,343 | 2,691 |
| Lubricants | 0 | 4,691 | 339 | 375 | 0 | 0 | 0 | 385 | 5,020 | 12,145 |
| Waxes | 0 | 517 | 39 | -9 | 0 | 0 | 0 | 32 | 515 | 618 |
| Petroleum Coke | 0 | 13,108 | 0 | -184 | 0 | 0 | 0 | 4,073 | 8,851 | 5,141 |
| Asphalt and Road Oil | 0 | 12,811 | 1,095 | 2,845 | 0 | 0 | 0 | 5 | 16,746 | 13,058 |
| Still Gas | 0 | 16,613 | 0 | 0 | 0 | 0 | 0 | 0 | 16,613 | 0 |
| Miscellaneous Products | 57 | 1,512 | 311 | -52 | 0 | 0 | 0 | 34 | 1,794 | 1,926 |
| Total | 327,008 | 420,377 | 178,765 | -31,287 | 11,950 | -25 | 403,684 | 18,582 | 484,572 | 1,545,469 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

| Commodity | Supply | | | | | Disposition | | | | |
|---|--------------------|---------------------|------------------|--------------------------------------|--|--------------|------------------|----------------|-------------------|------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 2,667,023 | 0 | 1,041,835 | -58,885 | 108,487 | 245 | 3,684,362 | 54,436 | 19,417 | 781,150 |
| Natural Gas Liquids and LRGs | 494,587 | 113,191 | 71,271 | -3,017 | 0 | 0 | 146,966 | 14,148 | 514,918 | 119,539 |
| Pentanes Plus | 89,291 | 0 | 13,565 | 284 | 0 | 0 | 62,873 | 726 | 39,541 | 8,481 |
| Liquefied Petroleum Gases | 405,296 | 113,191 | 57,707 | -3,301 | 0 | 0 | 84,093 | 13,422 | 475,377 | 111,058 |
| Ethane | 154,500 | 6,769 | 21,972 | 684 | 0 | 0 | 610 | 1,453 | 181,863 | 20,695 |
| Propane | 158,980 | 85,178 | 19,196 | -6,880 | 0 | 0 | 1,142 | 8,147 | 247,185 | 62,160 |
| Normal Butane | 61,831 | 21,354 | 9,990 | 1,704 | 0 | 0 | 46,040 | 3,097 | 45,742 | 18,685 |
| Isobutane | 29,985 | -110 | 6,549 | 1,191 | 0 | 0 | 36,301 | 726 | 588 | 9,518 |
| Other Liquids | 14,455 | 0 | 95,663 | -6,220 | 0 | 0 | 168,381 | 0 | -64,483 | 151,240 |
| Other Hydrocarbons and Alcohol | 14,455 | 0 | 0 | -71 | 0 | 0 | 14,384 | 0 | 0 | 356 |
| Unfinished Oils | 0 | 0 | 70,991 | -3,670 | 0 | 0 | 119,621 | 0 | -52,300 | 111,168 |
| Motor Gasoline Blending Components | 0 | 0 | 24,667 | -2,455 | 0 | 0 | 34,406 | 0 | -12,194 | 39,375 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | -24 | 0 | 0 | -30 | 0 | 12 | 341 |
| Finished Petroleum Products | 1,533 | 4,054,493 | 442,649 | -24,247 | 0 | 0 | 0 | 139,310 | 4,335,118 | 493,540 |
| Finished Motor Gasoline | 499 | 1,963,193 | 88,494 | -7,674 | 0 | 0 | 0 | 1,295 | 2,043,218 | 193,169 |
| Finished Leaded Motor Gasoline | 331 | 791,592 | 40,242 | 10,007 | 0 | 0 | 0 | 1,295 | 840,877 | 84,077 |
| Finished Unleaded Motor Gasoline | 168 | 1,171,601 | 48,252 | -17,681 | 0 | 0 | 0 | 0 | 1,202,340 | 109,092 |
| Finished Aviation Gasoline | 0 | 7,626 | 602 | -184 | 0 | 0 | 0 | 0 | 8,044 | 2,475 |
| Naphtha-Type Jet Fuel | 0 | 64,354 | 4,182 | -247 | 0 | 0 | 0 | 433 | 67,856 | 6,460 |
| Kerosene-Type Jet Fuel | 0 | 280,038 | 14,605 | -5,734 | 0 | 0 | 0 | 1,312 | 287,597 | 38,102 |
| Kerosene | 10 | 33,286 | 2,914 | -3,376 | 0 | 0 | 0 | 32 | 32,802 | 11,236 |
| Distillate Fuel Oil | 413 | 811,057 | 83,611 | -11,956 | 0 | 0 | 0 | 14,198 | 868,927 | 152,358 |
| Residual Fuel Oil | 0 | 265,907 | 209,538 | -1,682 | 0 | 0 | 0 | 51,867 | 421,896 | 50,790 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 37,492 | 10,280 | -79 | 0 | 0 | 0 | 1,892 | 45,801 | 1,791 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 75,239 | 0 | 177 | 0 | 0 | 0 | 4,510 | 70,906 | 1,580 |
| Special Naphthas | -50 | 16,919 | 17,670 | 462 | 0 | 0 | 0 | 681 | 34,320 | 2,691 |
| Lubricants | 0 | 49,342 | 3,193 | -70 | 0 | 0 | 0 | 4,557 | 47,908 | 12,145 |
| Waxes | 0 | 4,509 | 438 | 159 | 0 | 0 | 0 | 370 | 4,736 | 618 |
| Petroleum Coke | 0 | 133,994 | 0 | 340 | 0 | 0 | 0 | 57,681 | 76,653 | 5,141 |
| Asphalt and Road Oil | 0 | 122,217 | 3,775 | 5,734 | 0 | 0 | 0 | 158 | 131,568 | 13,058 |
| Still Gas | 0 | 171,812 | 0 | 0 | 0 | 0 | 0 | 0 | 171,812 | 0 |
| Miscellaneous Products | 661 | 17,508 | 3,346 | -117 | 0 | 0 | 0 | 324 | 21,074 | 1,926 |
| Total | 3,177,598 | 4,167,684 | 1,651,418 | -92,369 | 108,487 | 245 | 3,999,709 | 207,894 | 4,804,970 | 1,545,469 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, October 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,847 | 0 | 3,751 | -798 | 385 | -1 | 11,976 | 141 | 69 |
| Natural Gas Liquids and LRGs | 1,645 | 335 | 249 | 180 | 0 | 0 | 553 | 58 | 1,797 |
| Penitane Plus | 297 | 0 | 42 | 43 | 0 | 0 | 230 | 2 | 149 |
| Liquefied Petroleum Gases | 1,348 | 335 | 207 | 137 | 0 | 0 | 322 | 56 | 1,648 |
| Ethane | 512 | 17 | 59 | -12 | 0 | 0 | 1 | 5 | 569 |
| Propane | 530 | 268 | 83 | 62 | 0 | 0 | 3 | 40 | 900 |
| Normal Butane | 206 | 48 | 93 | 93 | 0 | 0 | 197 | 9 | 180 |
| Isobutane | 99 | 3 | 26 | -6 | 0 | 0 | 120 | 2 | -1 |
| Other Liquids | 54 | 0 | 364 | -65 | 0 | 0 | 493 | 0 | -140 |
| Other Hydrocarbons and Alcohol | 54 | 0 | 0 | -1 | 0 | 0 | 53 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 226 | -87 | 0 | 0 | 301 | 0 | -162 |
| Motor Gasoline Blending Components | 0 | 0 | 137 | 24 | 0 | 0 | 140 | 0 | 21 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -1 | 0 | 0 | -1 | 0 | (s) |
| Finished Petroleum Products | 3 | 13,226 | 1,403 | -326 | 0 | 0 | 0 | 400 | 13,906 |
| Finished Motor Gasoline | (s) | 6,396 | 293 | 42 | 0 | 0 | 0 | 1 | 6,730 |
| Finished Leaded Motor Gasoline | (s) | 2,419 | 113 | 124 | 0 | 0 | 0 | 1 | 2,655 |
| Finished Unleaded Motor Gasoline | 0 | 3,977 | 180 | -82 | 0 | 0 | 0 | 0 | 4,074 |
| Finished Aviation Gasoline | 0 | 22 | (s) | -2 | 0 | 0 | 0 | 0 | 20 |
| Naphtha-Type Jet Fuel | 0 | 207 | 0 | 18 | 0 | 0 | 0 | 8 | 217 |
| Kerosene-Type Jet Fuel | 0 | 958 | 49 | 3 | 0 | 0 | 0 | 5 | 1,005 |
| Kerosene | (s) | 134 | 24 | -72 | 0 | 0 | 0 | (s) | 85 |
| Distillate Fuel Oil | 2 | 2,680 | 424 | -295 | 0 | 0 | 0 | 47 | 2,773 |
| Residual Fuel Oil | 0 | 912 | 461 | -123 | 0 | 0 | 0 | 174 | 1,075 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 82 | 44 | 2 | 0 | 0 | 0 | 5 | 122 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 184 | 0 | 1 | 0 | 0 | 0 | 13 | 172 |
| Special Naphthas | 0 | 53 | 52 | 5 | 0 | 0 | 0 | 1 | 108 |
| Lubricants | 0 | 151 | 11 | 12 | 0 | 0 | 0 | 12 | 162 |
| Waxes | 0 | 17 | 1 | (s) | 0 | 0 | 0 | 1 | 17 |
| Petroleum Coke | 0 | 423 | 0 | -6 | 0 | 0 | 0 | 131 | 286 |
| Asphalt and Road Oil | 0 | 413 | 35 | 92 | 0 | 0 | 0 | (s) | 540 |
| Still Gas | 0 | 536 | 0 | 0 | 0 | 0 | 0 | 0 | 536 |
| Miscellaneous Products | 2 | 49 | 10 | -2 | 0 | 0 | 0 | 1 | 58 |
| Total | 10,549 | 13,561 | 5,767 | -1,009 | 385 | -1 | 13,022 | 599 | 15,631 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - October 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | | Disposition | | | |
|---|------------------|---------------------|--------------|--------------------------------------|--|--------------|-----------------|------------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,744 | 0 | 3,416 | -193 | 356 | 1 | 12,080 | 178 | 64 |
| Natural Gas Liquids and LRGs | 1,622 | 371 | 234 | -10 | 0 | 0 | 482 | 46 | 1,688 |
| Pentanes Plus | 293 | 0 | 44 | 1 | 0 | 0 | 206 | 2 | 130 |
| Liquefied Petroleum Gases | 1,329 | 371 | 189 | -11 | 0 | 0 | 276 | 44 | 1,559 |
| Ethane | 507 | 22 | 72 | 2 | 0 | 0 | 2 | 5 | 596 |
| Propane | 521 | 279 | 63 | -23 | 0 | 0 | 4 | 27 | 810 |
| Normal Butane | 203 | 70 | 33 | 6 | 0 | 0 | 151 | 10 | 150 |
| Isobutane | 98 | (s) | 21 | 4 | 0 | 0 | 119 | 2 | 2 |
| Other Liquids | 47 | 0 | 314 | -20 | 0 | 0 | 552 | 0 | -211 |
| Other Hydrocarbons and Alcohol | 47 | 0 | 0 | (s) | 0 | 0 | 47 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 233 | -12 | 0 | 0 | 392 | 0 | -171 |
| Motor Gasoline Blending Components | 0 | 0 | 81 | -8 | 0 | 0 | 113 | 0 | -40 |
| Aviation Gasoline Blending Components | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 0 | (s) |
| Finished Petroleum Products | 5 | 13,293 | 1,451 | -79 | 0 | 0 | 0 | 457 | 14,214 |
| Finished Motor Gasoline | 2 | 6,437 | 290 | -25 | 0 | 0 | 0 | 4 | 6,699 |
| Finished Leaded Motor Gasoline | 1 | 2,595 | 132 | 33 | 0 | 0 | 0 | 4 | 2,757 |
| Finished Unleaded Motor Gasoline | 1 | 3,841 | 158 | -58 | 0 | 0 | 0 | 0 | 3,942 |
| Finished Aviation Gasoline | 0 | 25 | 2 | -1 | 0 | 0 | 0 | 0 | 26 |
| Naphtha-Type Jet Fuel | 0 | 211 | 14 | -1 | 0 | 0 | 0 | 1 | 222 |
| Kerosene-Type Jet Fuel | 0 | 918 | 48 | -19 | 0 | 0 | 0 | 4 | 943 |
| Kerosene | (s) | 109 | 10 | -11 | 0 | 0 | 0 | (s) | 108 |
| Distillate Fuel Oil | 1 | 2,659 | 274 | -39 | 0 | 0 | 0 | 47 | 2,849 |
| Residual Fuel Oil | 0 | 872 | 687 | -6 | 0 | 0 | 0 | 170 | 1,383 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 123 | 34 | (s) | 0 | 0 | 0 | 6 | 150 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 247 | 0 | 1 | 0 | 0 | 0 | 15 | 232 |
| Special Naphthas | (s) | 55 | 58 | 2 | 0 | 0 | 0 | 2 | 113 |
| Lubricants | 0 | 162 | 10 | (s) | 0 | 0 | 0 | 15 | 157 |
| Waxes | 0 | 15 | 1 | 1 | 0 | 0 | 0 | 1 | 16 |
| Petroleum Coke | 0 | 439 | 0 | 1 | 0 | 0 | 0 | 189 | 251 |
| Asphalt and Road Oil | 0 | 401 | 12 | 19 | 0 | 0 | 0 | 1 | 431 |
| Still Gas | 0 | 563 | 0 | 0 | 0 | 0 | 0 | 0 | 563 |
| Miscellaneous Products | 2 | 57 | 11 | (s) | 0 | 0 | 0 | 1 | 69 |
| Total | 10,418 | 13,665 | 5,414 | -303 | 356 | 1 | 13,114 | 682 | 15,754 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, October 1984
(Thousand Barrels)

| Thousand Barrels | | | | | | | | | | | |
|---|------------------|---------------------|---------|--------------------------------------|---------------------------|--------------|--------------|-----------------|---------|-------------------|---------------|
| Commodity | Supply | | | | Disposition | | | | | | |
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | 1,745 | 0 | 33,210 | -3,330 | 851 | 939 | 0 | 33,415 | 0 | 0 | 15,742 |
| Natural Gas Liquids and LRGs | 933 | 606 | 786 | -101 | 0 | 2,864 | 0 | 160 | 38 | 4,889 | 4,331 |
| Liquefied Petroleum Gases | 793 | 606 | 786 | -108 | 0 | 2,864 | 0 | 114 | 38 | 4,788 | 4,290 |
| Pentanes Plus | 140 | 0 | 0 | 7 | 0 | 0 | 0 | 46 | 0 | 101 | 41 |
| Other Liquids | 12 | 0 | 2,211 | -291 | 0 | 357 | 0 | 1,638 | 0 | 651 | 18,280 |
| Other Hydrocarbons and Alcohol | 12 | 0 | 0 | -4 | 0 | 0 | 0 | 8 | 0 | 121 | |
| Unfinished Oils | 0 | 0 | 179 | -1,889 | 0 | 148 | 0 | -733 | 0 | -829 | 14,333 |
| Motor Gasoline Blending Components | 0 | 0 | 2,032 | 1,602 | 0 | 209 | 0 | 2,363 | 0 | 1,480 | 3,826 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 0 | 35,781 | 36,735 | -15,604 | 0 | 80,513 | 0 | 0 | 374 | 137,051 | 180,808 |
| Finished Motor Gasoline | 0 | 16,313 | 8,071 | 39 | 0 | 45,517 | 0 | 0 | 26 | 69,914 | 59,432 |
| Finished Leaded Motor Gasoline | 0 | 4,016 | 3,212 | 1,452 | 0 | 14,896 | 0 | 0 | 26 | 23,550 | 24,261 |
| Finished Unleaded Motor Gasoline | 0 | 12,297 | 4,859 | -1,413 | 0 | 30,621 | 0 | 0 | 0 | 46,364 | 35,171 |
| Finished Aviation Gasoline | 0 | 0 | 1 | -79 | 0 | 231 | 0 | 0 | 0 | 153 | 461 |
| Naphtha-Type Jet Fuel | 0 | 688 | 0 | -126 | 0 | 199 | 0 | 0 | 0 | 761 | 947 |
| Kerosene-Type Jet Fuel | 0 | 1,388 | 1,372 | 736 | 0 | 9,692 | 0 | 0 | 0 | 13,188 | 8,705 |
| Kerosene | 0 | 513 | 734 | -1,245 | 0 | 650 | 0 | 0 | 2 | 650 | 5,112 |
| Distillate Fuel Oil | 0 | 7,380 | 12,548 | -14,231 | 0 | 22,477 | 0 | 0 | 123 | 28,052 | 71,780 |
| Residual Fuel Oil | 0 | 3,548 | 12,338 | -1,811 | 0 | 313 | 0 | 0 | (s) | 14,387 | 26,820 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 230 | 16 | -9 | 0 | -39 | 0 | 0 | 41 | 158 | 277 |
| Special Naphthas | 0 | 36 | 210 | 38 | 0 | 359 | 0 | 0 | 5 | 637 | 573 |
| Lubricants | 0 | 526 | 254 | 138 | 0 | 599 | 0 | 0 | 118 | 1,399 | 3,047 |
| Waxes | 0 | 72 | 9 | 19 | 0 | 3 | 0 | 0 | 4 | 99 | 63 |
| Petroleum Coke | 0 | 890 | 0 | -35 | 0 | 0 | 0 | 0 | 39 | 816 | 900 |
| Asphalt and Road Oil | 0 | 2,719 | 891 | 962 | 0 | 416 | 0 | 0 | 1 | 4,987 | 2,477 |
| Still Gas | 0 | 1,270 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,270 | 0 |
| Miscellaneous Products | 0 | 208 | 291 | 0 | 0 | 96 | 0 | 0 | 14 | 581 | 214 |
| Total | 2,690 | 36,387 | 72,942 | -19,326 | 851 | 84,673 | 0 | 35,213 | 412 | 142,591 | 219,161 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, October 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 33,071 | 0 | 15,634 | -5,655 | 34,420 | 0 | 8 | 76,825 | 637 | 0 | 75,873 |
| Natural Gas Liquids and LRGs | 11,274 | 2,044 | 4,544 | 3,539 | 0 | 5,273 | 0 | 5,841 | 524 | 20,309 | 32,955 |
| Liquefied Petroleum Gases | 9,722 | 2,044 | 4,544 | 3,189 | 0 | 4,607 | 0 | 3,809 | 447 | 19,850 | 30,453 |
| Pentanes Plus | 1,552 | 0 | 0 | 350 | 0 | 666 | 0 | 2,032 | 77 | 459 | 2,502 |
| Other Liquids | 139 | 0 | 262 | 73 | 0 | 790 | 0 | 2,261 | 0 | -997 | 26,627 |
| Other Hydrocarbons and Alcohol | 139 | 0 | 0 | -20 | 0 | 0 | 0 | 119 | 0 | 0 | 140 |
| Unfinished Oils | 0 | 0 | 262 | -519 | 0 | 710 | 0 | 547 | 0 | -94 | 19,001 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 650 | 0 | 80 | 0 | 1,633 | 0 | -903 | 7,353 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -38 | 0 | 0 | 0 | -38 | 0 | 0 | 133 |
| Finished Petroleum Products | 12 | 86,135 | 765 | 4,202 | 0 | 27,581 | 0 | 0 | 322 | 118,373 | 121,981 |
| Finished Motor Gasoline | 0 | 49,652 | 148 | 761 | 0 | 17,161 | 0 | 0 | 0 | 67,722 | 58,155 |
| Finished Leaded Motor Gasoline | 0 | 20,594 | 83 | 771 | 0 | 8,215 | 0 | 0 | 0 | 29,663 | 27,577 |
| Finished Unleaded Motor Gasoline | 0 | 29,058 | 65 | -10 | 0 | 8,946 | 0 | 0 | 0 | 38,059 | 30,578 |
| Finished Aviation Gasoline | 0 | 103 | 0 | -16 | 0 | 154 | 0 | 0 | 0 | 241 | 625 |
| Naphtha-Type Jet Fuel | 0 | 849 | 0 | 105 | 0 | 111 | 0 | 0 | 0 | 1,065 | 1,361 |
| Kerosene-Type Jet Fuel | 0 | 3,732 | 0 | -70 | 0 | 2,905 | 0 | 0 | 0 | 6,567 | 9,945 |
| Kerosene | 0 | 719 | 0 | -409 | 0 | 105 | 0 | 0 | (s) | 415 | 2,826 |
| Distillate Fuel Oil | 0 | 18,052 | 263 | 2,178 | 0 | 6,484 | 0 | 0 | 0 | 26,977 | 36,432 |
| Residual Fuel Oil | 0 | 2,080 | 49 | -292 | 0 | -214 | 0 | 0 | 0 | 1,623 | 3,789 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 445 | 8 | -130 | 0 | 40 | 0 | 0 | 107 | 256 | 310 |
| Special Naphthas | 0 | 357 | 224 | 16 | 0 | 169 | 0 | 0 | 17 | 750 | 422 |
| Lubricants | 0 | 740 | 15 | 56 | 0 | 414 | 0 | 0 | 23 | 1,202 | 2,033 |
| Waxes | 0 | 52 | 15 | -7 | 0 | 0 | 0 | 0 | 1 | 59 | 79 |
| Petroleum Coke | 0 | 2,686 | 0 | -24 | 0 | 0 | 0 | 0 | 170 | 2,492 | 794 |
| Asphalt and Road Oil | 0 | 3,433 | 36 | 2,044 | 0 | 282 | 0 | 0 | 1 | 5,794 | 4,909 |
| Still Gas | 0 | 3,036 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,036 | 0 |
| Miscellaneous Products | 12 | 199 | 6 | -10 | 0 | -30 | 0 | 0 | 3 | 175 | 301 |
| Total | 44,496 | 88,179 | 21,205 | 2,159 | 34,420 | 33,644 | 8 | 84,927 | 1,482 | 137,685 | 257,436 |

¹ Unaccounted for crude oil is a balancing item.

(\$) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 8. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, October 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|--|------------------|---------------------|---------|--------------------------------------|---------------------------|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 133,951 | 0 | 58,872 | -14,178 | -19,199 | 17,392 | 1 | 176,809 | 0 | 28 | 599,816 |
| Natural Gas Liquids and LRGs | 34,403 | 6,276 | 1,283 | 2,048 | 0 | -6,524 | 0 | 9,566 | 1,055 | 26,865 | 78,153 |
| Liquefied Petroleum Gases | 28,275 | 6,276 | 33 | 1,055 | 0 | -6,081 | 0 | 4,873 | 1,055 | 23,630 | 72,549 |
| Pentanes Plus | 6,128 | 0 | 1,250 | 993 | 0 | -443 | 0 | 4,693 | 0 | 3,235 | 5,604 |
| Other Liquids | 1,190 | 0 | 7,750 | -765 | 0 | -1,201 | 0 | 9,938 | 0 | -2,964 | 69,321 |
| Other Hydrocarbons and Alcohol | 1,190 | 0 | 0 | 1 | 0 | 0 | 0 | 1,191 | 0 | 0 | 90 |
| Unfinished Oils | 0 | 0 | 6,405 | -135 | 0 | -912 | 0 | 8,071 | 0 | -2,713 | 50,366 |
| Motor Gasoline Blending Components | 0 | 0 | 1,345 | -633 | 0 | -289 | 0 | 674 | 0 | -251 | 18,676 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 189 |
| Finished Petroleum Products | 92 | 197,951 | 4,422 | 2,741 | 0 | -111,000 | 0 | 0 | 6,832 | 87,374 | 126,057 |
| Finished Motor Gasoline | 1 | 92,825 | 253 | 770 | 0 | -64,396 | 0 | 0 | (s) | 29,452 | 50,955 |
| Finished Leaded Motor Gasoline | 1 | 33,089 | 0 | 2,018 | 0 | -23,881 | 0 | 0 | (s) | 11,227 | 20,379 |
| Finished Unleaded Motor Gasoline | 0 | 59,736 | 253 | -1,248 | 0 | -40,515 | 0 | 0 | 0 | 18,226 | 30,576 |
| Finished Aviation Gasoline | 0 | 398 | 0 | 42 | 0 | -398 | 0 | 0 | 0 | 42 | 692 |
| Naphtha-Type Jet Fuel | 0 | 2,856 | 0 | 418 | 0 | -406 | 0 | 0 | 233 | 2,635 | 2,296 |
| Kerosene-Type Jet Fuel | 0 | 16,132 | 0 | -248 | 0 | -13,396 | 0 | 0 | 0 | 2,488 | 13,115 |
| Kerosene | 1 | 2,670 | 0 | -588 | 0 | -755 | 0 | 0 | (s) | 1,328 | 3,036 |
| Distillate Fuel Oil | 47 | 42,187 | 0 | 2,602 | 0 | -29,109 | 0 | 0 | 471 | 15,256 | 29,925 |
| Residual Fuel Oil | 0 | 11,025 | 1,607 | -340 | 0 | -99 | 0 | 0 | 3,369 | 8,824 | 10,178 |
| Naphtha and Other Oils for Petro. Feed | 0 | 7,219 | 1,330 | 229 | 0 | -1 | 0 | 0 | 203 | 8,574 | 2,612 |
| Special Naphthas | 0 | 1,116 | 1,146 | 106 | 0 | -568 | 0 | 0 | 8 | 1,792 | 1,426 |
| Lubricants | 0 | 3,088 | 1 | 229 | 0 | -1,105 | 0 | 0 | 208 | 2,005 | 5,884 |
| Waxes | 0 | 270 | 10 | -16 | 0 | -3 | 0 | 0 | 23 | 238 | 420 |
| Petroleum Coke | 0 | 5,661 | 0 | -84 | 0 | 0 | 0 | 0 | 0 | 3,265 | 1,582 |
| Asphalt and Road Oil | 0 | 3,572 | 68 | -226 | 0 | -698 | 0 | 0 | (s) | 2,716 | 2,811 |
| Still Gas | 0 | 8,025 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,025 | 0 |
| Miscellaneous Products | 43 | 907 | 9 | -153 | 0 | -66 | 0 | 0 | 4 | 735 | 1,125 |
| Total | 169,636 | 204,227 | 72,327 | -10,154 | -19,199 | -101,333 | 1 | 196,313 | 7,888 | 111,302 | 873,347 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 9. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, October 1984
(Thousand Barrels)

| (Thousand Barrels) | | | | | | | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|---------------|-------------------|
| Commodity | Supply | | | | | Disposition | | | | Ending Stocks | |
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | | Products Supplied |
| Crude Oil (including lease condensate) | E 17,729 | 0 | 1,310 | -355 | -5,095 | 0 | 0 | 13,584 | 0 | 5 | 13,688 |
| Natural Gas Liquids and LRGs | 3,259 | 31 | 727 | -69 | 0 | -1,613 | 0 | 505 | 0 | 1,830 | 1,355 |
| Liquefied Petroleum Gases | 2,345 | 31 | 665 | -50 | 0 | -1,390 | 0 | 391 | 0 | 1,210 | 1,070 |
| Pentanes Plus | 914 | 0 | 62 | -19 | 0 | -223 | 0 | 114 | 0 | 620 | 285 |
| Other Liquids | 0 | 0 | 0 | -124 | 0 | 0 | 0 | -198 | 0 | 74 | 4,350 |
| Other Hydrocarbons and Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | -104 | 0 | 0 | 0 | -240 | 0 | 136 | 2,796 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | -20 | 0 | 0 | 0 | 42 | 0 | -62 | 1,554 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 2 | 14,395 | 159 | 117 | 0 | 308 | 0 | 0 | 4 | 14,977 | 11,216 |
| Finished Motor Gasoline | 0 | 7,436 | 46 | -38 | 0 | 159 | 0 | 0 | 0 | 7,603 | 4,737 |
| Finished Leaded Motor Gasoline | 0 | 4,431 | 45 | -156 | 0 | -81 | 0 | 0 | 0 | 4,239 | 2,853 |
| Finished Unleaded Motor Gasoline | 0 | 3,005 | 1 | 118 | 0 | 240 | 0 | 0 | 0 | 3,364 | 1,884 |
| Finished Aviation Gasoline | 0 | 20 | 0 | -5 | 0 | 13 | 0 | 0 | 0 | 28 | 55 |
| Naphtha-Type Jet Fuel | 0 | 460 | 0 | 39 | 0 | -114 | 0 | 0 | 0 | 385 | 317 |
| Kerosene-Type Jet Fuel | 0 | 692 | 0 | -3 | 0 | 612 | 0 | 0 | 0 | 1,301 | 767 |
| Kerosene | 0 | 11 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 18 | 24 |
| Distillate Fuel Oil | 0 | 3,745 | 104 | 107 | 0 | -362 | 0 | 0 | 0 | 3,594 | 3,239 |
| Residual Fuel Oil | 0 | 406 | 7 | -111 | 0 | 0 | 0 | 0 | 0 | 302 | 650 |
| Naphtha and Other Oils for Petro. Feed | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |
| Special Naphthas | 0 | 3 | (s) | -1 | 0 | 0 | 0 | 0 | (s) | 2 | 10 |
| Lubricants | 0 | 22 | (s) | 6 | 0 | 0 | 0 | 0 | 1 | 27 | 63 |
| Waxes | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 41 | 12 |
| Petroleum Coke | 0 | 261 | 0 | -12 | 0 | 0 | 0 | 0 | 1 | 248 | 181 |
| Asphalt and Road Oil | 0 | 787 | 1 | 107 | 0 | 0 | 0 | 0 | 1 | 894 | 1,151 |
| Still Gas | 0 | 475 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 475 | 0 |
| Miscellaneous Products | 2 | 35 | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 57 | 4 |
| Total | 20,990 | 14,426 | 2,196 | -431 | -5,095 | -1,305 | 0 | 13,891 | 4 | 16,886 | 30,609 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 10. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, October 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Disposition | | | | | Ending Stocks |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 87,755 | 0 | 7,255 | -1,232 | 973 | -18,331 | -34 | 70,620 | 3,734 | 2,100 | 76,031 |
| Natural Gas Liquids and LRGs | 1,115 | 1,428 | 379 | 150 | 0 | 0 | 0 | 1,065 | 193 | 1,814 | 2,745 |
| Liquefied Petroleum Gases | 653 | 1,428 | 379 | 147 | 0 | 0 | 0 | 806 | 193 | 1,608 | 2,696 |
| Pentanes Plus | 462 | 0 | 0 | 3 | 0 | 0 | 0 | 259 | 0 | 206 | 49 |
| Other Liquids | 326 | 0 | 1,054 | -897 | 0 | 54 | 0 | 1,655 | 0 | -1,118 | 32,662 |
| Other Hydrocarbons and Alcohol | 326 | 0 | 0 | 1 | 0 | 0 | 0 | 327 | 0 | 0 | 5 |
| Unfinished Oils | 0 | 0 | 176 | -50 | 0 | 54 | 0 | 1,700 | 0 | -1,520 | 24,672 |
| Motor Gasoline Blending Components | 0 | 0 | 879 | -859 | 0 | 0 | 0 | -380 | 0 | 400 | 7,966 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 8 | 0 | 3 | 19 |
| Finished Petroleum Products | 0 | 75,730 | 1,408 | -1,556 | 0 | 2,598 | 0 | 0 | 4,868 | 73,311 | 53,478 |
| Finished Motor Gasoline | 0 | 32,060 | 561 | -241 | 0 | 1,559 | 0 | 0 | 5 | 33,935 | 19,890 |
| Finished Leaded Motor Gasoline | 0 | 12,868 | 172 | -248 | 0 | 851 | 0 | 0 | 5 | 13,638 | 9,007 |
| Finished Unleaded Motor Gasoline | 0 | 19,192 | 389 | 7 | 0 | 708 | 0 | 0 | 0 | 20,296 | 10,883 |
| Finished Aviation Gasoline | 0 | 153 | 6 | 2 | 0 | 0 | 0 | 0 | 0 | 161 | 642 |
| Naphtha-Type Jet Fuel | 0 | 1,563 | 0 | 120 | 0 | 210 | 0 | 0 | 0 | 1,893 | 1,539 |
| Kerosene-Type Jet Fuel | 0 | 7,754 | 142 | -309 | 0 | 187 | 0 | 0 | 158 | 7,616 | 5,570 |
| Kerosene | 0 | 226 | 0 | -12 | 0 | 0 | 0 | 0 | 1 | 213 | 238 |
| Distillate Fuel Oil | 0 | 12,032 | 221 | 200 | 0 | 510 | 0 | 0 | 866 | 12,098 | 10,982 |
| Residual Fuel Oil | 0 | 11,206 | 281 | -1,265 | 0 | 0 | 0 | 0 | 2,029 | 8,194 | 9,353 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 343 | 0 | -3 | 0 | 0 | 0 | 0 | 204 | 136 | 166 |
| Special Naphthas | 0 | 116 | 17 | -9 | 0 | 40 | 0 | 0 | 3 | 161 | 260 |
| Lubricants | 0 | 315 | 69 | -54 | 0 | 92 | 0 | 0 | 35 | 387 | 1,118 |
| Waxes | 0 | 82 | 5 | -5 | 0 | 0 | 0 | 0 | 4 | 78 | 44 |
| Petroleum Coke | 0 | 3,610 | 0 | -29 | 0 | 0 | 0 | 0 | 1,550 | 2,031 | 1,684 |
| Asphalt and Road Oil | 0 | 2,300 | 99 | -42 | 0 | 0 | 0 | 0 | 2 | 2,355 | 1,710 |
| Still Gas | 0 | 3,807 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,807 | 0 |
| Miscellaneous Products | 0 | 163 | 4 | 91 | 0 | 0 | 0 | 0 | 13 | 246 | 282 |
| Total | 89,196 | 77,158 | 10,096 | -3,535 | 973 | -15,679 | -34 | 73,340 | 8,795 | 76,108 | 164,916 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 11. Production of Crude Oil (Including Lease Condensate) by PAD District and State, for the Most Currently Available Month,¹ August 1984 (Thousand Barrels)

| PAD District and State | | Production | |
|---|------------------|----------------|--|
| | Total | Daily Average | |
| PAD District I | | | |
| Florida | 1,099 | 35 | |
| New York | E 71 | E 2 | |
| Pennsylvania | E 363 | E 12 | |
| Virginia | E 6 | E 0 | |
| West Virginia | 284 | 9 | |
| Adjustment 2 | -9 | (s) | |
| Total PAD District I | E 1,814 | E 59 | |
| PAD District II | | | |
| Illinois | 2,534 | 82 | |
| Indiana | 515 | 17 | |
| Kansas | 6,551 | 211 | |
| Kentucky | 706 | 23 | |
| Michigan | 2,600 | 84 | |
| Missouri | E 22 | E 1 | |
| Nebraska | 547 | 18 | |
| North Dakota | 4,568 | 147 | |
| Ohio | E 1,271 | E 41 | |
| Oklahoma | 12,207 | 394 | |
| South Dakota | 117 | 4 | |
| Tennessee | 76 | 2 | |
| Adjustment 2 | 659 | 21 | |
| Total PAD District II | E 32,373 | E 1,044 | |
| PAD District III | | | |
| Alabama | 1,681 | 54 | |
| Arkansas | E 1,600 | E 52 | |
| Louisiana | 40,986 | 1,322 | |
| Gulf Coast | 2,768 | 89 | |
| Rest of State | 43,754 | 1,411 | |
| Total Louisiana | 2,809 | 91 | |
| Mississippi | 584 | 19 | |
| New Mexico | 6,060 | 195 | |
| Northwestern | 6,644 | 214 | |
| Southeastern | 2,232 | 72 | |
| Total New Mexico | 3,364 | 109 | |
| Texas | 10,312 | 333 | |
| TRRC District 01 | 2,487 | 80 | |
| TRRC District 02 | 674 | 22 | |
| TRRC District 03 | 3,639 | 117 | |
| TRRC District 04 | 3,015 | 97 | |
| TRRC District 05 | 3,036 | 98 | |
| TRRC District 06, excluding East Texas | 19,620 | 633 | |
| TRRC District 07 | 18,064 | 583 | |
| TRRC District 08 | 3,450 | 111 | |
| TRRC District 09 | 1,830 | 59 | |
| TRRC District 10 | 4,125 | 133 | |
| East Texas | 75,848 | 2,447 | |
| Total Texas | 25 | 1 | |
| Adjustment 2 | | | |
| Total PAD District III | E 132,361 | E 4,270 | |
| PAD District IV | | | |
| Colorado | E 2,427 | E 78 | |
| Montana | E 2,337 | E 75 | |
| Utah | E 2,728 | E 88 | |
| Wyoming | E 10,118 | E 326 | |
| Adjustment 2 | 1 | (s) | |
| Total PAD District IV | E 17,611 | E 568 | |
| PAD District V | | | |
| Alaska | 1,834 | 59 | |
| South Alaska | 51,552 | 1,663 | |
| North Slope | 92 | 3 | |
| Adjustment for Alaska ² | 53,478 | 1,725 | |
| Total Alaska | 18 | 1 | |
| Arizona | 6,724 | 217 | |
| California | 21,824 | 704 | |
| Central Coastal | 14 | (s) | |
| East Central | 6,728 | 217 | |
| North | 35,290 | 1,138 | |
| South | 185 | 6 | |
| Total California | -916 | -30 | |
| Nevada | 88,055 | 2,840 | |
| Adjustment for Arizona, California, and Nevada ² | | | |
| Total PAD District V | E 272,214 | E 8,781 | |
| United States Total | | | |

¹ Includes the following offshore production (thousand barrels):

Alaska: State - 1,820;
California: Federal - 2,812, State - 3,470;
Louisiana: Federal - 27,923, State - 2,347;
Texas: Federal - 1,725, State - 149;
U.S. Total - 40,246

² These adjustments are used to reconcile the national and PADD level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PADD level figures published in a previous issue. Final data at the State, PAD District and national levels will be published without adjustments in the Petroleum Supply Annual.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

E = Estimated.

- Data not available.

Table 12. Natural Gas Processing Plant Production of Petroleum Products by PAD District,¹ October 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|-------|-----------------|-----------------|---------------------|------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|---------------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Kans., Mo. | Okl. | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. V West Coast |
| Natural Gas Liquids | 425 | 508 | 933 | 0 | 1,768 | 545 | 8,961 | 11,274 | 19,768 | 2,731 | 6,888 | 672 | 4,344 | 34,403 | 3,259 | 1,115 | 50,984 |
| Pentanes Plus | 75 | 65 | 140 | 0 | 212 | 137 | 1,203 | 1,552 | 3,518 | 242 | 1,278 | 207 | 883 | 6,128 | 914 | 462 | 9,196 |
| Liquefied Petroleum Gases | 350 | 443 | 793 | 0 | 1,556 | 408 | 7,758 | 9,722 | 16,250 | 2,489 | 5,610 | 465 | 3,461 | 28,275 | 2,345 | 653 | 41,788 |
| Ethane | 106 | 137 | 243 | 0 | 573 | 4 | 3,557 | 4,134 | 6,294 | 1,024 | 2,535 | 69 | 1,041 | 10,963 | 517 | 13 | 15,870 |
| Propane | 145 | 197 | 342 | 0 | 614 | 237 | 2,808 | 3,659 | 6,309 | 1,122 | 1,863 | 210 | 1,393 | 10,897 | 1,159 | 383 | 16,440 |
| Normal Butane | 78 | 79 | 157 | 0 | 202 | 141 | 922 | 1,265 | 2,626 | 151 | 645 | 135 | 713 | 4,270 | 519 | 188 | 6,399 |
| Isobutane | 21 | 30 | 51 | 0 | 167 | 26 | 471 | 664 | 1,021 | 192 | 567 | 51 | 314 | 2,145 | 150 | 69 | 3,079 |
| Finished Petroleum Products | 0 | 0 | 0 | 0 | 1 | 0 | 11 | 12 | 32 | 47 | 3 | 7 | 3 | 92 | 2 | 0 | 106 |
| Finished Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Finished Leaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Finished Unleaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 47 | 0 | 0 | 47 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Production | 425 | 508 | 933 | 0 | 1,769 | 545 | 8,972 | 11,286 | 19,800 | 2,778 | 6,891 | 679 | 4,347 | 34,495 | 3,261 | 1,115 | 51,090 |

¹ Production represents quantity of natural gas processing plant output less input to fractionating facilities.

Source: See Explanatory Notes on Data Collection and Estimation.

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---|----------------|----------------|--------|-----------------|-----------------|--------------------|------------------|--------|------------------|------------------|----------------|---------------|-----------------|---------|---------------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. V West Coast |
| Crude Oil (including lease condensate) | 30,510 | 2,905 | 33,415 | 1,922 | 47,604 | 8,887 | 18,412 | 76,825 | 13,315 | 93,185 | 63,811 | 4,820 | 1,678 | 176,809 | 13,584 | 70,620 | 371,253 |
| Pentanes Plus | 46 | 0 | 46 | 0 | 759 | 226 | 1,047 | 2,032 | 1,203 | 2,759 | 492 | 114 | 125 | 4,693 | 114 | 259 | 7,144 |
| Liquefied Petroleum Gases | 27 | 87 | 114 | 139 | 2,137 | 458 | 1,075 | 3,809 | 797 | 1,982 | 1,992 | 71 | 31 | 4,873 | 391 | 806 | 9,993 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 44 | 0 | 0 | 44 |
| Propane | 0 | 0 | 0 | 0 | 78 | 0 | 0 | 78 | 0 | 1 | 27 | 0 | 0 | 28 | 2 | 0 | 108 |
| Normal Butane | 0 | 87 | 87 | 75 | 1,295 | 377 | 643 | 2,390 | 423 | 1,194 | 1,061 | 16 | 8 | 2,702 | 331 | 607 | 6,117 |
| Isobutane | 27 | 0 | 27 | 64 | 764 | 81 | 432 | 1,341 | 374 | 787 | 860 | 55 | 23 | 2,099 | 58 | 199 | 3,724 |
| Other Liquids | | | | | | | | | | | | | | | | | |
| Other Hydrocarbons and Alcohol | 8 | 0 | 8 | 0 | 114 | 0 | 5 | 119 | 0 | 409 | 779 | 0 | 3 | 1,191 | 0 | 327 | 1,645 |
| Unfinished Oil (net) | -754 | 21 | -733 | 17 | -564 | -42 | 1,136 | 547 | 366 | 8,939 | -1,373 | 104 | 35 | 8,071 | -240 | 1,700 | 9,345 |
| Motor Gasoline Blending Components (net) | 2,348 | 15 | 2,363 | -4 | 1,203 | -24 | 458 | 1,633 | 15 | -431 | 1,026 | 13 | 51 | 674 | 42 | -380 | 4,332 |
| Aviation Gasoline Blending Components (net) | 0 | 0 | 0 | 0 | -34 | 0 | -4 | -38 | 0 | -23 | 25 | 0 | 0 | 2 | 0 | 8 | -28 |
| Total Input to Refineries | 32,185 | 3,028 | 35,213 | 2,074 | 51,219 | 9,505 | 22,129 | 84,927 | 15,696 | 106,820 | 66,752 | 5,122 | 1,923 | 196,313 | 13,891 | 73,340 | 403,684 |
| Crude Oil Distillation | | | | | | | | | | | | | | | | | |
| Gross Input (daily average) | 1,011 | 94 | 1,105 | 62 | 1,542 | 303 | 606 | 2,513 | 443 | 3,076 | 2,096 | 159 | 54 | 5,827 | 440 | 2,265 | 12,150 |
| Operable Capacity (daily average) | 1,405 | 174 | 1,579 | 66 | 2,329 | 304 | 791 | 3,490 | 610 | 3,766 | 2,528 | 295 | 107 | 7,305 | 558 | 3,061 | 15,993 |
| Operating Ratio (percent) ¹ | 72.0 | 53.7 | 70.0 | 93.9 | 66.2 | 99.5 | 76.6 | 72.0 | 72.7 | 81.7 | 82.9 | 53.8 | 50.6 | 79.8 | 78.9 | 74.0 | 76.0 |
| Crude Oil Qualities | | | | | | | | | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | .89 | .42 | .85 | .75 | .81 | 1.79 | .44 | .83 | .68 | 1.03 | .81 | 1.45 | .75 | .94 | .97 | 1.00 | .92 |
| API Gravity, Weighted Average | 32.04 | 39.73 | 32.67 | 36.22 | 36.52 | 30.46 | 37.48 | 36.04 | 38.33 | 34.51 | 33.33 | 33.12 | 39.12 | 34.38 | 35.53 | 25.49 | 32.91 |
| Operable Capacity (daily average) | 1,405 | 174 | 1,579 | 66 | 2,329 | 304 | 791 | 3,490 | 610 | 3,766 | 2,528 | 295 | 107 | 7,305 | 558 | 3,061 | 15,993 |
| Operating | 1,300 | 110 | 1,410 | 66 | 1,955 | 299 | 744 | 3,064 | 542 | 3,299 | 2,316 | 244 | 71 | 6,472 | 530 | 2,849 | 14,324 |
| Idle | 105 | 64 | 169 | 0 | 374 | 5 | 47 | 426 | 68 | 467 | 211 | 51 | 36 | 833 | 28 | 213 | 1,669 |

¹ Represents gross input divided by operable capacity.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 14. Refinery Production of Petroleum Products by PAD District, October 1984
(Thousand Barrels)

| Commodity | PAD District I | | PAD District II | | | | | PAD District III | | | Total | PAD District IV | | PAD West Coast | United States |
|--|----------------|----------------|-----------------|--------------|--------------------|------------------|---------------|------------------|------------------|----------------|---------------|-----------------|--------------|----------------|----------------|
| | East Coast | Appalachian #1 | Appalachian #2 | Ind., Ill. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Rocky Mt. | Dist. V | |
| Liquefied Refinery Gases | 580 | 26 | 606 | 36 | 1,486 | 253 | 269 | 2,044 | 11 | 3,380 | 2,796 | 32 | 57 | 31 | 10,385 |
| For Petrochemical Feedstock Use | 26 | 0 | 26 | 0 | 123 | 7 | 72 | 202 | 18 | 1,626 | 1,549 | 4 | 0 | -1 | 3,635 |
| For Other Uses | 554 | 26 | 580 | 36 | 1,363 | 246 | 197 | 1,842 | -7 | 1,754 | 1,247 | 28 | 57 | 32 | 6,750 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 495 | 18 | 0 | 0 | 0 | 515 |
| For Petrochemical Feedstock Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 400 | 1 | 0 | 0 | 0 | 401 |
| For Other Uses | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 95 | 17 | 0 | 0 | 0 | 114 |
| Propane | 547 | 26 | 573 | 36 | 1,509 | 244 | 481 | 2,270 | 178 | 2,752 | 1,258 | 20 | 43 | 134 | 8,310 |
| For Petrochemical Feedstock Use | 12 | 0 | 12 | 0 | 123 | 0 | 72 | 195 | 14 | 1,176 | 142 | 0 | 0 | 187 | 1,726 |
| For Other Uses | 535 | 26 | 561 | 36 | 1,386 | 244 | 409 | 2,075 | 164 | 1,576 | 1,116 | 20 | 43 | 134 | 6,584 |
| Normal Butane | 33 | 0 | 33 | 0 | -23 | 7 | -212 | -228 | -171 | 54 | 1,520 | 12 | 14 | -105 | 1,475 |
| For Petrochemical Feedstock Use | 14 | 0 | 14 | 0 | 0 | 7 | 0 | 7 | 0 | -29 | 1,406 | 4 | 0 | -3 | 1,423 |
| For Other Uses | 19 | 0 | 19 | 0 | -23 | 0 | -212 | -235 | -171 | 83 | 114 | 8 | 14 | -102 | 52 |
| Isobutane for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 79 | 0 | 0 | 0 | 2 | 85 |
| Finished Motor Gasoline | 15,119 | 1,194 | 16,313 | 1,139 | 30,812 | 4,883 | 12,818 | 49,652 | 8,633 | 50,971 | 30,949 | 1,235 | 1,037 | 7,436 | 32,060 |
| Finished Leaded Motor Gasoline | 3,512 | 504 | 4,016 | 454 | 11,382 | 2,366 | 6,392 | 20,594 | 4,200 | 16,435 | 11,270 | 644 | 540 | 12,868 | 198,286 |
| Finished Unleaded Motor Gasoline | 11,607 | 690 | 12,297 | 685 | 19,430 | 2,517 | 6,426 | 29,058 | 4,433 | 34,536 | 19,679 | 591 | 497 | 19,192 | 74,998 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 94 | 0 | 9 | 103 | 63 | 216 | 119 | 0 | 0 | 20 | 123,288 |
| Naphtha-Type Jet Fuel | 657 | 31 | 688 | 63 | 598 | 167 | 21 | 849 | 771 | 928 | 737 | 159 | 261 | 460 | 1,563 |
| Kerosene-Type Jet Fuel | 1,388 | 0 | 1,388 | 35 | 2,203 | 495 | 999 | 3,732 | 797 | 7,313 | 7,962 | 6 | 54 | 16,132 | 6,416 |
| Kerosene | 458 | 55 | 513 | 91 | 631 | 29 | -32 | 719 | 37 | 1,453 | 1,161 | 21 | -2 | 692 | 29,698 |
| Distillate Fuel Oil | 6,513 | 867 | 7,380 | 450 | 9,811 | 2,388 | 5,403 | 18,052 | 3,440 | 23,122 | 13,733 | 1,523 | 369 | 11 | 4,139 |
| Residual Fuel Oil | 3,409 | 139 | 3,548 | 73 | 1,475 | 247 | 285 | 2,080 | 788 | 6,585 | 3,383 | 260 | 9 | 3,745 | 83,396 |
| Naphtha < 400 Deg. For Petro. Feed. Use | 222 | 0 | 222 | 0 | 211 | 0 | 119 | 330 | 40 | 1,725 | 32 | 30 | 0 | 406 | 28,265 |
| Other Oils > 400 Deg. For Petro. Feed. Use | 8 | 0 | 8 | 0 | 115 | 0 | 0 | 115 | 8 | 3,760 | 1,624 | 0 | 0 | 1 | 159 |
| Special Naphthas | 8 | 28 | 36 | 0 | 165 | 0 | 192 | 357 | 94 | 768 | 119 | 135 | 0 | 3 | 5,700 |
| Lubricants | 197 | 329 | 526 | 0 | 441 | 0 | 299 | 740 | 11 | 1,916 | 743 | 418 | 0 | 22 | 1,628 |
| Waxes | 0 | 72 | 72 | 0 | 20 | 0 | 32 | 52 | 8 | 117 | 86 | 59 | 0 | 315 | 4,691 |
| Petroleum Coke | 871 | 19 | 890 | 27 | 1,670 | 437 | 552 | 2,686 | 251 | 3,175 | 2,224 | 0 | 11 | 261 | 517 |
| Marketable | 467 | 0 | 467 | 0 | 889 | 367 | 392 | 1,648 | 37 | 1,493 | 1,495 | 0 | 0 | 3,610 | 13,108 |
| Catalyst | 404 | 19 | 423 | 27 | 781 | 70 | 160 | 1,038 | 214 | 1,682 | 729 | 0 | 11 | 114 | 7,973 |
| Asphalt and Road Oil | 2,634 | 85 | 2,719 | 169 | 1,967 | 568 | 729 | 3,433 | 338 | 649 | 1,414 | 1,075 | 96 | 147 | 5,135 |
| Still Gas | 1,167 | 103 | 1,270 | 57 | 2,002 | 328 | 649 | 3,036 | 407 | 4,922 | 2,530 | 116 | 50 | 787 | 12,811 |
| For Petrochemical Feedstock Use | 187 | 0 | 187 | 0 | 1 | 0 | 0 | 1 | 6 | 617 | 69 | 0 | 0 | 2 | 16,613 |
| For Other Uses | 980 | 103 | 1,083 | 57 | 2,001 | 328 | 649 | 3,035 | 401 | 4,305 | 2,461 | 116 | 50 | 473 | 985 |
| Miscellaneous Products | 141 | 67 | 208 | 4 | 93 | 32 | 70 | 199 | 30 | 570 | 249 | 58 | 0 | 35 | 15,628 |
| Fuel Use | 6 | 27 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | -13 | 16 | 5 | 0 | 12 | 1,512 |
| Non-Fuel Use | 135 | 40 | 175 | 4 | 93 | 32 | 70 | 199 | 30 | 583 | 233 | 53 | 0 | 23 | 66 |
| Total Production | 33,372 | 3,015 | 36,387 | 2,144 | 53,794 | 9,827 | 22,414 | 88,179 | 15,727 | 111,570 | 69,861 | 5,127 | 1,942 | 14,426 | 420,377 |
| Processing Gain(-) or Loss(+) ¹ | -1,187 | 13 | -1,174 | -70 | -2,575 | -322 | -285 | -3,252 | -31 | -4,750 | -3,109 | -5 | -19 | -7,914 | -16,693 |

¹ Represents the arithmetic difference between input and output.

Note: See Explanatory Note 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 15. Percent Refinery Yield of Petroleum Products by PAD District,¹ October 1984

| Commodity | PAD District I | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | | |
|--|----------------|----------------|-----------------|-----------|--------------------|------------------|-------|------------------|------------------|----------------|---------------|-----------------|-------|---------------|-----------|--------------------|------|
| | East Coast | Appalachian #1 | Appalachian #2 | Ind., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. V West Coast | |
| Finished Motor Gasoline ² | 42.6 | 37.3 | 42.2 | 51.8 | 56.5 | 47.7 | 52.3 | 54.4 | 48.4 | 45.3 | 42.7 | 21.1 | 48.3 | 44.0 | 51.6 | 42.9 | 46.0 |
| Finished Aviation Gasoline ³ | .0 | .0 | .0 | .0 | .3 | .0 | .1 | .2 | .5 | .2 | .2 | .0 | .0 | .2 | .1 | .2 | .2 |
| Liquefied Refinery Gases | 1.9 | .9 | 1.9 | 1.9 | 3.2 | 2.9 | 1.4 | 2.6 | .1 | 3.3 | 4.5 | .6 | 3.3 | 3.4 | .2 | 2.0 | 2.7 |
| Naphtha-Type Jet Fuel | 2.2 | 1.1 | 2.1 | 3.2 | 1.3 | 1.9 | .1 | 1.1 | 5.6 | .9 | 1.2 | 3.2 | 15.2 | 1.5 | 3.4 | 2.2 | 1.7 |
| Kerosene-Type Jet Fuel | 4.7 | 0 | 4.2 | 1.8 | 4.7 | 5.6 | 5.1 | 4.8 | 5.8 | 7.2 | 12.8 | .1 | 3.2 | 8.7 | 5.2 | 10.7 | 7.8 |
| Kerosene | 1.5 | 1.9 | 1.6 | 4.7 | 1.3 | .3 | -2 | .9 | .3 | 1.4 | 1.9 | .4 | -1 | 1.4 | .1 | .3 | 1.1 |
| Distillate Fuel Oil | 21.9 | 29.6 | 22.6 | 23.2 | 20.9 | 27.0 | 27.6 | 23.3 | 25.1 | 22.6 | 22.0 | 30.9 | 21.5 | 22.8 | 28.1 | 16.6 | 21.9 |
| Residual Fuel Oil | 11.5 | 4.8 | 10.9 | 3.8 | 3.1 | 2.8 | 1.5 | 2.7 | 5.8 | 6.4 | 5.4 | 5.3 | .5 | 6.0 | 3.0 | 15.5 | 7.4 |
| Naphtha < 400 Deg. F. Petro. Feed. Use | .7 | 0 | .7 | 0 | .4 | 0 | .6 | .4 | .3 | 1.7 | .1 | .6 | 0 | 1.0 | 0 | .2 | .7 |
| Other Oils > 400 Deg. F. Petro. Feed. Use | .0 | 0 | .0 | 0 | .2 | 0 | 0 | .1 | .1 | 3.7 | 2.6 | 0 | 0 | 2.9 | .0 | .3 | 1.5 |
| Special Naphthas | .0 | 1.0 | .1 | 0 | .4 | 0 | 1.0 | .5 | .7 | .8 | .2 | 2.7 | 0 | .6 | .0 | .2 | .4 |
| Lubricants | .7 | 11.2 | 1.6 | 0 | .9 | 0 | 1.5 | 1.0 | .1 | 1.9 | 1.2 | 8.5 | 0 | 1.7 | .2 | .4 | 1.2 |
| Waxes | 0 | 2.5 | .2 | 0 | 0 | 0 | .2 | .1 | .1 | .1 | .1 | 1.2 | 0 | .1 | .3 | .1 | .1 |
| Petroleum Coke | 2.9 | .6 | 2.7 | 1.4 | 3.6 | 4.9 | 2.8 | 3.5 | 1.8 | 3.1 | 3.6 | .0 | .6 | 3.1 | 2.0 | 5.0 | 3.4 |
| Asphalt and Road Oil | 8.9 | 2.9 | 8.3 | 8.7 | 4.2 | 6.4 | 3.7 | 4.4 | 2.5 | .6 | 2.3 | 21.8 | 5.6 | 1.9 | 5.9 | 3.2 | 3.4 |
| Still Gas | 3.9 | 3.5 | 3.9 | 2.9 | 4.3 | 3.7 | 3.3 | 3.9 | 3.0 | 4.8 | 4.1 | 2.4 | 2.9 | 4.3 | 3.6 | 5.3 | 4.4 |
| Miscellaneous Products | .5 | 2.3 | .6 | .2 | .2 | .4 | .4 | .3 | .2 | .6 | .4 | 1.2 | 0 | .5 | .3 | .2 | .4 |
| Processing Gain(-) or Loss(+) ⁴ | -4.0 | .4 | -3.6 | -3.6 | -5.5 | -3.6 | -1.5 | -4.2 | -2 | -4.7 | -5.0 | -1 | -1.1 | -4.3 | -4.0 | -5.3 | -4.4 |

¹ Based on crude oil input and net reruns of unfinished oils.² Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.³ Based on finished aviation gasoline output plus net output of aviation gasoline blending components.⁴ Represents the difference between Input and Production.

Note: Total may not equal sum of components due to independent rounding.

Note: See Explanatory 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 16. Imports of Crude Oil and Petroleum Products by PAD District, October 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|---------------|---------------|--------------|---------------|----------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ^{1 2} | 33,210 | 15,634 | 58,872 | 1,310 | 7,255 | 116,281 |
| Natural Gas Liquids | 786 | 4,544 | 1,283 | 727 | 379 | 7,719 |
| Pentanes Plus | 0 | 0 | 1,250 | 62 | 0 | 1,312 |
| Liquefied Petroleum Gases | 786 | 4,544 | 33 | 665 | 379 | 6,407 |
| Ethane | 367 | 1,447 | 0 | 0 | 0 | 1,814 |
| Propane | 281 | 1,993 | 0 | 251 | 53 | 2,578 |
| Normal Butane | 83 | 668 | 20 | 248 | 196 | 1,214 |
| Isobutane | 55 | 436 | 13 | 166 | 130 | 801 |
| Other Liquids ¹ | 2,211 | 262 | 7,750 | 0 | 1,054 | 11,277 |
| Unfinished Oils ¹ | 179 | 262 | 6,405 | 0 | 176 | 7,021 |
| Motor Gasoline Blending Components | 2,032 | 0 | 1,345 | 0 | 879 | 4,256 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 36,735 | 765 | 4,422 | 159 | 1,408 | 43,488 |
| Finished Motor Gasoline | 8,071 | 148 | 253 | 46 | 561 | 9,079 |
| Finished Leaded Motor Gasoline | 3,212 | 83 | 0 | 45 | 172 | 3,513 |
| Finished Unleaded Motor Gasoline | 4,859 | 65 | 253 | 1 | 389 | 5,566 |
| Finished Aviation Gasoline | 1 | 0 | 0 | 0 | 6 | 6 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 1,372 | 0 | 0 | 0 | 142 | 1,514 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 1,372 | 0 | 0 | 0 | 142 | 1,514 |
| Kerosene | 734 | 0 | 0 | 0 | 0 | 734 |
| Distillate Fuel Oil | 12,548 | 263 | 0 | 104 | 221 | 13,137 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 12,548 | 263 | 0 | 104 | 221 | 13,137 |
| Residual Fuel Oil | 12,338 | 49 | 0 | 7 | 281 | 14,282 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 12,338 | 49 | 0 | 7 | 281 | 14,282 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 16 | 8 | 0 | 0 | 0 | 0 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 210 | 224 | 1,146 | (s) | 17 | 1,598 |
| Lubricants | 254 | 15 | 1 | (s) | 69 | 339 |
| Waxes | 9 | 15 | 10 | 0 | 5 | 39 |
| Asphalt and Road Oil | 891 | 36 | 68 | 1 | 99 | 1,095 |
| Miscellaneous Products | 291 | 6 | 9 | 0 | 4 | 311 |
| Total Imports | 72,942 | 21,205 | 72,327 | 2,196 | 10,096 | 178,765 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 17. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January - October 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|--|--|----------------|----------------|---------------|---------------|------------------|
| | I | II | III | IV | V | Total |
| Crude Oil (Including lease condensate) ^{1 2} | 277,607 | 153,061 | 541,739 | 9,952 | 59,475 | 1,041,835 |
| Natural Gas Liquids | 13,080 | 41,205 | 6,860 | 5,022 | 5,104 | 71,271 |
| Pentanes plus | 8,111 | 0 | 3,675 | 956 | 823 | 13,565 |
| Liquefied Petroleum Gases | 4,970 | 41,205 | 3,186 | 4,066 | 4,281 | 57,707 |
| Ethane | 368 | 21,604 | 0 | 0 | 0 | 21,972 |
| Propane | 2,678 | 12,474 | 1,427 | 1,959 | 658 | 19,196 |
| Normal Butane | 1,154 | 4,281 | 1,116 | 1,264 | 2,174 | 9,990 |
| Isobutane | 770 | 2,845 | 642 | 843 | 1,449 | 6,549 |
| Other Liquids ¹ | 29,415 | 3,457 | 51,085 | 0 | 11,706 | 95,663 |
| Unfinished Oils ¹ | 16,229 | 3,382 | 46,932 | 0 | 4,447 | 70,991 |
| Motor Gasoline Blending Components | 13,186 | 75 | 4,152 | 0 | 7,253 | 24,667 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 6 | 6 |
| Finished Petroleum Products | 363,175 | 10,476 | 51,770 | 1,970 | 15,257 | 442,649 |
| Finished Motor Gasoline | 74,650 | 1,310 | 6,088 | 606 | 5,840 | 88,494 |
| Finished Leaded Motor Gasoline | 33,497 | 877 | 3,241 | 580 | 2,045 | 40,242 |
| Finished Unleaded Motor Gasoline | 41,152 | 432 | 2,847 | 26 | 3,795 | 48,252 |
| Finished Aviation Gasoline | 588 | 0 | 0 | 2 | 13 | 602 |
| Naphtha-Type Jet Fuel | 2,286 | 0 | 1,888 | 0 | 8 | 4,182 |
| Kerosene-Type Jet Fuel | 13,206 | 0 | 0 | 0 | 1,398 | 14,605 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 13,206 | 0 | 0 | 0 | 1,398 | 14,605 |
| Kerosene | 2,908 | 0 | 6 | 0 | (s) | 2,914 |
| Distillate Fuel Oil | 76,914 | 2,678 | 1,029 | 1,199 | 1,790 | 83,611 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 76,914 | 2,678 | 1,029 | 1,199 | 1,790 | 83,611 |
| Residual Fuel Oil | 182,276 | 1,693 | 21,452 | 123 | 3,993 | 209,538 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 182,276 | 1,693 | 21,452 | 123 | 3,993 | 209,538 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 742 | 116 | 9,422 | 0 | 0 | 10,280 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 2,861 | 3,953 | 9,692 | 4 | 1,159 | 17,670 |
| Lubricants | 2,068 | 116 | 308 | 1 | 700 | 3,193 |
| Waxes | 143 | 70 | 193 | 0 | 32 | 438 |
| Asphalt and Road Oil | 3,079 | 164 | 211 | 33 | 288 | 3,775 |
| Miscellaneous Products | 1,454 | 376 | 1,480 | 2 | 34 | 3,346 |
| Total Imports | 683,278 | 208,199 | 651,454 | 16,945 | 91,542 | 1,651,418 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, October 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|------------------|------------------------------|-------------------------|--------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 7,368 | 0 | 0 | 241 | 0 | 0 | 0 | 413 | 1,040 | 0 | 1,250 | 2,944 | 10,312 | 333 |
| Iraq | 382 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 382 | 12 |
| Kuwait | 254 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 254 | 8 |
| Saudi Arabia | 8,890 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,890 | 287 |
| United Arab Emirates | 2,599 | 0 | 0 | 485 | 0 | 0 | 0 | 154 | 0 | 0 | 290 | 928 | 3,527 | 114 |
| Subtotal Arab OPEC | 19,494 | 0 | 0 | 726 | 0 | 0 | 0 | 567 | 1,040 | 0 | 1,540 | 3,872 | 23,366 | 754 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 179 | 0 | 0 | 179 | 1,284 | 41 |
| Gabon | 1,655 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,655 | 53 |
| Indonesia | 12,621 | 0 | 0 | 0 | 109 | 10 | 0 | 29 | 479 | 261 | 1 | 888 | 13,509 | 436 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nigeria | 6,108 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 329 | 0 | 0 | 329 | 6,437 | 208 |
| Venezuela | 8,041 | 0 | 1,053 | 154 | 1,358 | 75 | 159 | 3,824 | 2,503 | 0 | 751 | 9,877 | 17,918 | 578 |
| Subtotal Other OPEC | 29,529 | 0 | 1,053 | 154 | 1,467 | 85 | 159 | 3,852 | 3,491 | 261 | 752 | 11,274 | 40,803 | 1,316 |
| Other | | | | | | | | | | | | | | |
| Angola | 3,249 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 356 | 0 | 0 | 356 | 3,605 | 116 |
| Australia | 1,731 | 77 | 0 | 0 | 141 | 42 | 0 | 98 | 11 | 0 | 0 | 369 | 2,100 | 68 |
| Bahamas | 0 | 0 | 1,697 | 253 | 0 | 452 | 0 | 899 | 650 | 258 | 496 | 4,704 | 4,704 | 152 |
| Brazil | 1 | 0 | 0 | 234 | 825 | 0 | 0 | 853 | 0 | 0 | (s) | 1,911 | 1,912 | 62 |
| Canada | 11,673 | 5,997 | 269 | 0 | 421 | 0 | 35 | 1,461 | 736 | 312 | 335 | 9,566 | 21,239 | 685 |
| Congo | 888 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 184 | 0 | 0 | 184 | 1,072 | 35 |
| France | 0 | 0 | 0 | 0 | 205 | 0 | 0 | 432 | 0 | 0 | (s) | 637 | 637 | 21 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 21,518 | 1 | 1,727 | 1,167 | 292 | 27 | 0 | 374 | 337 | 0 | 181 | 4,106 | 25,624 | 827 |
| Netherlands | 0 | (s) | 0 | 0 | 1,103 | 0 | 0 | 1,065 | 0 | 0 | 40 | 2,208 | 2,208 | 71 |
| Netherlands Antilles | 0 | 0 | 675 | 0 | 0 | 0 | 0 | 0 | 2,551 | 0 | 240 | 3,467 | 3,467 | 112 |
| Norway | 3,132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,132 | 101 |
| Oman | 1,149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,149 | 37 |
| People's Republic of China | 966 | 0 | 174 | 879 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,053 | 2,018 | 65 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 223 | 223 | 223 | 7 |
| Puerto Rico | 0 | 0 | 0 | 0 | 249 | 0 | 70 | 70 | 0 | 484 | 273 | 1,147 | 1,147 | 37 |
| Romania | 0 | 0 | 0 | 801 | 547 | 0 | 0 | 126 | 0 | 0 | 0 | 1,473 | 1,473 | 48 |
| Spain | 3,773 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 19 | 19 | 1 |
| Trinidad and Tobago | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 122 |
| Tunisia | 14,467 | 33 | 0 | 0 | 573 | 0 | 0 | 0 | 0 | 0 | 0 | 606 | 15,073 | 486 |
| United Kingdom | 0 | 0 | 926 | 43 | 1,955 | 594 | 470 | 1,809 | 3,873 | 0 | 287 | 9,958 | 9,958 | 321 |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 |
| Zaire | 942 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 942 | 30 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 46 | 67 | 67 | 2 |
| Other Eastern Hemisphere | 3,771 | 298 | 500 | 0 | 1,302 | 315 | 0 | 2,383 | 201 | 261 | 23 | 5,283 | 9,053 | 292 |
| Subtotal Other | 67,258 | 6,407 | 5,968 | 3,376 | 7,611 | 1,429 | 575 | 8,718 | 9,751 | 1,337 | 2,165 | 47,338 | 114,596 | 3,697 |
| Total Imports | 116,281 | 6,407 | 7,021 | 4,256 | 9,079 | 1,514 | 734 | 13,137 | 14,282 | 1,598 | 4,457 | 62,484 | 178,765 | 5,767 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Country of Origin (Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|------------|------------------|------------------------------|-------------------------|--------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 3,060 | 0 | 0 | 0 | 0 | 0 | 0 | 413 | 698 | 0 | 0 | 1,111 | 4,171 | 135 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 8 |
| Kuwait | 254 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 254 | 75 |
| Saudi Arabia | 2,340 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,340 | 30 |
| United Arab Emirates | 1 | 0 | 0 | 485 | 0 | 0 | 0 | 154 | 0 | 0 | 290 | 928 | 929 | 248 |
| Subtotal Arab OPEC | 5,655 | 0 | 0 | 485 | 0 | 0 | 0 | 567 | 698 | 0 | 290 | 2,039 | 7,694 | |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 179 | 0 | 0 | 179 | 179 | 6 |
| Indonesia | 2,718 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,718 | 88 |
| Nigeria | 2,800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 165 | 0 | 0 | 165 | 2,965 | 96 |
| Venezuela | 3,021 | 0 | 0 | 114 | 1,358 | 75 | 159 | 3,824 | 2,155 | 0 | 515 | 8,200 | 11,221 | 362 |
| Subtotal Other OPEC | 8,539 | 0 | 0 | 114 | 1,358 | 75 | 159 | 3,824 | 2,500 | 0 | 515 | 8,544 | 17,083 | 551 |
| Other | | | | | | | | | | | | | | |
| Angola | 2,008 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 356 | 0 | 0 | 356 | 2,364 | 76 |
| Australia | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 674 | 22 |
| Bahamas | 0 | 0 | 0 | 0 | 0 | 452 | 0 | 899 | 650 | 0 | 0 | 2,000 | 2,000 | 65 |
| Brazil | 1 | 0 | 0 | 0 | 572 | 0 | 0 | 0 | 853 | 0 | (s) | 1,425 | 1,426 | 46 |
| Canada | 1,451 | 487 | 5 | 0 | 49 | 0 | 35 | 1,050 | 673 | 20 | 182 | 2,502 | 3,953 | 128 |
| Congo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 184 | 0 | 0 | 184 | 184 | 6 |
| France | 0 | 0 | 0 | 0 | 205 | 0 | 0 | 432 | 0 | 0 | (s) | 637 | 637 | 21 |
| Mexico | 3,567 | 0 | 0 | 589 | 292 | 27 | 0 | 374 | 0 | 0 | 0 | 1,282 | 4,849 | 156 |
| Netherlands | 0 | (s) | 0 | 0 | 1,103 | 0 | 0 | 1,065 | 0 | 0 | (s) | 2,168 | 2,168 | 70 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,551 | 0 | 230 | 2,781 | 2,781 | 90 |
| Norway | 2,103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,103 | 68 |
| Oman | 496 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 496 | 16 |
| People's Republic of China | 630 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 630 | 20 |
| Puerto Rico | 0 | 0 | 0 | 0 | 249 | 0 | 70 | 70 | 0 | 174 | 217 | 782 | 782 | 25 |
| Romania | 0 | 0 | 0 | 801 | 547 | 0 | 0 | 126 | 0 | 0 | 0 | 1,473 | 1,473 | 48 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 19 | 19 | 1 |
| Trinidad and Tobago | 945 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 945 | 30 |
| Tunisia | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) |
| United Kingdom | 5,845 | (s) | 0 | 0 | 573 | 0 | 0 | 0 | 0 | 0 | (s) | 573 | 6,418 | 207 |
| Virgin Islands | 0 | 0 | 174 | 43 | 1,955 | 594 | 470 | 1,809 | 3,873 | 0 | 0 | 8,919 | 8,919 | 288 |
| Zaire | 741 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 741 | 24 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 556 | 298 | 0 | 0 | 1,169 | 224 | 0 | 2,332 | 0 | 15 | 9 | 4,047 | 4,602 | 148 |
| Subtotal Other | 19,017 | 786 | 179 | 1,433 | 6,713 | 1,297 | 575 | 8,158 | 9,140 | 210 | 658 | 29,148 | 48,165 | 1,554 |
| Total Imports | 33,210 | 786 | 179 | 2,032 | 8,071 | 1,372 | 734 | 12,548 | 12,338 | 210 | 1,463 | 39,731 | 72,942 | 2,353 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, October 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|---------------|--------------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 6 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 368 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 368 | 12 |
| Subtotal Arab OPEC | 569 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 569 | 18 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 718 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 718 | 23 |
| Nigeria | 881 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 881 | 28 |
| Subtotal Other OPEC | 1,598 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,598 | 52 |
| Other | | | | | | | | | | | | | | |
| Canada | 8,816 | 4,544 | 262 | 0 | 148 | 0 | 0 | 263 | 49 | 224 | 80 | 5,571 | 14,386 | 464 |
| Congo | 888 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 888 | 29 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) |
| Mexico | 2,270 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,270 | 73 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 1,041 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 1,041 | 34 |
| Other Eastern Hemisphere | 452 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 452 | 15 |
| Subtotal Other | 13,466 | 4,544 | 262 | 0 | 148 | 0 | 0 | 263 | 49 | 224 | 80 | 5,571 | 19,038 | 614 |
| Total Imports | 15,634 | 4,544 | 262 | 0 | 148 | 0 | 0 | 263 | 49 | 224 | 80 | 5,571 | 21,205 | 684 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 4,107 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 342 | 0 | 1,250 | 1,833 | 5,940 | 192 |
| Iraq | 382 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 382 | 12 |
| Saudi Arabia | 6,183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,183 | 199 |
| United Arab Emirates | 2,598 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,598 | 84 |
| Subtotal Arab OPEC | 13,270 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 342 | 0 | 1,250 | 1,833 | 15,103 | 487 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 387 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 387 | 12 |
| Gabon | 1,655 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,655 | 53 |
| Indonesia | 3,801 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 420 | 260 | 0 | 680 | 4,482 | 145 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nigeria | 2,427 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164 | 0 | 0 | 164 | 2,592 | 84 |
| Venezuela | 5,021 | 0 | 1,053 | 40 | 0 | 0 | 0 | 0 | 348 | 0 | 236 | 1,677 | 6,698 | 216 |
| Subtotal Other OPEC | 13,291 | 0 | 1,053 | 40 | 0 | 0 | 0 | 0 | 932 | 260 | 236 | 2,521 | 15,813 | 510 |
| Other | | | | | | | | | | | | | | |
| Angola | 1,241 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,241 | 40 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 1,697 | 253 | 0 | 0 | 0 | 0 | 0 | 258 | 496 | 2,704 | 2,704 | 87 |
| Brazil | 0 | 0 | 0 | 234 | 253 | 0 | 0 | 0 | 0 | 0 | (s) | 486 | 486 | 16 |
| Canada | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 50 | 50 | 2 |
| Congo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Mexico | 15,680 | 0 | 1,727 | 578 | 0 | 0 | 0 | 0 | 330 | 0 | 77 | 2,712 | 18,392 | 593 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Netherlands Antilles | 0 | 0 | 675 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 685 | 685 | 22 |
| Norway | 1,029 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,029 | 33 |

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|------------|------------------|------------------------------|-------------------------|------------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Oman | 653 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 653 | 21 |
| People's Republic of China | 336 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 336 | 11 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 223 | 223 | 223 | 7 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 310 | 0 | 310 | 310 | 10 |
| Trinidad and Tobago | 2,828 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,828 | 91 |
| United Kingdom | 7,581 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 33 | 7,614 | 246 |
| Virgin Islands | 0 | 0 | 752 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 287 | 1,040 | 1,040 | 34 |
| Zaire | 201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 6 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 46 | 67 | 67 | 2 |
| Other Eastern Hemisphere | 2,763 | 0 | 500 | 0 | 0 | 0 | 0 | 0 | 3 | 246 | 1 | 749 | 3,512 | 113 |
| Subtotal Other | 32,311 | 33 | 5,352 | 1,064 | 253 | 0 | 0 | 0 | 333 | 885 | 1,180 | 9,100 | 41,411 | 1,336 |
| Total Imports | 58,872 | 33 | 6,405 | 1,345 | 253 | 0 | 0 | 0 | 1,607 | 1,146 | 2,667 | 13,455 | 72,327 | 2,333 |
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 1,310 | 665 | 0 | 0 | 46 | 0 | 0 | 104 | 7 | (s) | 63 | 886 | 2,196 | 71 |
| Subtotal Other | 1,310 | 665 | 0 | 0 | 46 | 0 | 0 | 104 | 7 | (s) | 63 | 886 | 2,196 | 71 |
| Total Imports | 1,310 | 665 | 0 | 0 | 46 | 0 | 0 | 104 | 7 | (s) | 63 | 886 | 2,196 | 71 |
| PAD District V | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Indonesia | 6,101 | 0 | 0 | 0 | 109 | 10 | 0 | 29 | 60 | (s) | 1 | 208 | 6,309 | 204 |
| Subtotal Other OPEC | 6,101 | 0 | 0 | 0 | 109 | 10 | 0 | 29 | 60 | (s) | 1 | 208 | 6,309 | 204 |
| Other | | | | | | | | | | | | | | |
| Australia | 1,057 | 77 | 0 | 0 | 141 | 42 | 0 | 98 | 11 | 0 | 0 | 369 | 1,426 | 46 |
| Canada | 97 | 301 | 2 | 0 | 178 | 0 | 0 | 43 | 6 | 17 | 9 | 557 | 654 | 21 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 104 | 112 | 112 | 4 |
| People's Republic of China | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 174 | 879 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,053 | 1,053 | 34 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 56 | 56 | 2 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 133 | 91 | 0 | 51 | 198 | 0 | 13 | 486 | 486 | 16 |
| Subtotal Other | 1,154 | 379 | 176 | 879 | 452 | 133 | 0 | 193 | 222 | 17 | 183 | 2,633 | 3,787 | 122 |
| Total Imports | 7,255 | 379 | 176 | 879 | 561 | 142 | 0 | 221 | 281 | 17 | 183 | 2,841 | 10,096 | 326 |

¹ Includes crude oil imported for storage in the Strategic Petroleum Reserve.

² Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - October 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|------------------|---------------|-------------------------|---|-------------------------------|---------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 61,675 | 367 | 598 | 399 | 434 | 327 | 0 | 6,545 | 17,212 | 3,210 | 10,090 | 39,182 | 100,856 | 331 |
| Iraq | 3,151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 3,151 | 10 |
| Kuwait | 5,805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,019 | 0 | 0 | 4,019 | 9,824 | 32 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 5 |
| Saudi Arabia | 102,869 | 917 | 1,119 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | (s) | 3,049 | 105,919 | 347 |
| United Arab Emirates | 23,771 | 0 | 1,049 | 2,142 | 357 | 221 | 0 | 565 | 2,291 | 0 | 2,169 | 8,793 | 32,565 | 107 |
| Subtotal Arab OPEC | 198,769 | 1,284 | 2,766 | 2,541 | 791 | 548 | 0 | 7,110 | 24,535 | 3,210 | 12,259 | 55,044 | 253,812 | 832 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 14,543 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,760 | 0 | 0 | 2,760 | 17,304 | 57 |
| Gabon | 17,060 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 17,367 | 57 |
| Indonesia | 89,725 | 1,356 | 2,432 | 0 | 1,354 | 200 | 0 | 368 | 5,946 | 1,225 | 618 | 13,499 | 103,224 | 338 |
| Iran | 2,588 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,588 | 8 |
| Nigeria | 65,555 | 0 | 1,582 | 0 | 0 | 0 | 0 | 53 | 1,194 | 0 | 248 | 3,077 | 68,632 | 225 |
| Venezuela | 77,510 | 0 | 6,739 | 944 | 18,136 | 4,207 | 272 | 20,653 | 34,898 | 68 | 2,632 | 88,548 | 166,058 | 544 |
| Subtotal Other OPEC | 266,981 | 1,356 | 10,753 | 944 | 19,489 | 4,407 | 272 | 21,074 | 45,045 | 1,353 | 3,498 | 108,191 | 375,172 | 1,230 |
| Other | | | | | | | | | | | | | | |
| Angola | 27,401 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,165 | 0 | 0 | 1,165 | 28,567 | 94 |
| Australia | 5,304 | 504 | 0 | 0 | 726 | 118 | 0 | 265 | 1,513 | 0 | 208 | 3,333 | 8,637 | 28 |
| Bahamas | 0 | 0 | 8,708 | 506 | 0 | 1,402 | 69 | 5,563 | 7,234 | 258 | 2,848 | 26,588 | 26,588 | 87 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 2 | 0 | 0 | 234 | 7,198 | 0 | 0 | 0 | 8,967 | 260 | 24 | 16,683 | 16,685 | 55 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 102,027 | 51,729 | 3,293 | 75 | 5,536 | 216 | 84 | 10,711 | 7,391 | 4,684 | 4,153 | 87,872 | 189,899 | 623 |
| Congo | 10,662 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,875 | 0 | (s) | 1,875 | 12,536 | 41 |
| Egypt | 3,135 | (s) | (s) | 0 | 778 | 0 | (s) | 432 | 299 | (s) | 16 | 1,526 | 3,135 | 10 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 250 | 5 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 99 | 0 | 0 | 409 | 409 | 6 |
| Malaysia | 0 | 0 | 125 | 4,677 | 1,270 | 7 | 0 | 1,471 | 1,995 | 300 | 960 | 24,188 | 224,712 | 737 |
| Mexico | 200,524 | 1,820 | 11,359 | 0 | 7,172 | 335 | 0 | 8,228 | 1,418 | 340 | 816 | 18,549 | 19,594 | 64 |
| Netherlands | 1,046 | (s) | 0 | 378 | 6,397 | 196 | 0 | 2,871 | 37,038 | 35 | 569 | 58,277 | 58,277 | 191 |
| Netherlands Antilles | 0 | 28 | 9,981 | 426 | 0 | 933 | 0 | 366 | 0 | 0 | 0 | 817 | 36,071 | 118 |
| Norway | 35,254 | (s) | 0 | 0 | 0 | 451 | 0 | 0 | 1,239 | 0 | 0 | 1,239 | 4,496 | 15 |
| Oman | 3,258 | 0 | 0 | 0 | 1,116 | 0 | 0 | 0 | 0 | 0 | 33 | 9,784 | 14,043 | 46 |
| People's Republic of China | 4,259 | 0 | 668 | 7,620 | 0 | 0 | 0 | 0 | 4,869 | 0 | 223 | 6,069 | 6,293 | 21 |
| Peru | 224 | 0 | 755 | 0 | 3,706 | 223 | 0 | 1,152 | 0 | 3,740 | 2,033 | 12,452 | 12,452 | 41 |
| Puerto Rico | 0 | 0 | 1,298 | 0 | 3,113 | 453 | 70 | 126 | 389 | 423 | 3,634 | 13,291 | 13,291 | 44 |
| Romania | 0 | 0 | 252 | 5,354 | 1,167 | 0 | 0 | 123 | 782 | 12 | 190 | 3,507 | 3,507 | 11 |
| Spain | 0 | 0 | 218 | 0 | 0 | 1,016 | 0 | 504 | 1,731 | 7 | 16 | 2,272 | 28,022 | 92 |
| Trinidad and Tobago | 25,751 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| Tunisia | 4 | 0 | 0 | 0 | 3,403 | 325 | 0 | 163 | 655 | 156 | 715 | 7,083 | 118,020 | 387 |
| United Kingdom | 110,937 | 560 | 737 | 370 | 15,075 | 6,191 | 2,352 | 15,805 | 40,497 | 402 | 626 | 91,722 | 91,722 | 301 |
| Virgin Islands | 0 | 0 | 10,731 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,452 | 31 |
| Zaire | 9,452 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Western Hemisphere | 721 | 127 | 1,699 | 39 | 231 | 0 | 6 | 361 | 6,852 | 308 | 207 | 9,830 | 10,552 | 35 |
| Other Eastern Hemisphere | 35,864 | 301 | 7,635 | 1,460 | 11,166 | 1,967 | 60 | 7,266 | 11,819 | 1,835 | 2,177 | 45,684 | 81,548 | 267 |
| Subtotal Other | 576,085 | 55,067 | 57,472 | 21,182 | 68,213 | 13,832 | 2,642 | 55,427 | 139,958 | 13,107 | 19,449 | 446,349 | 1,022,433 | 3,352 |
| Total Imports | 1,041,835 | 57,707 | 70,991 | 24,667 | 88,494 | 18,787 | 2,914 | 83,611 | 209,538 | 17,670 | 35,205 | 609,583 | 1,651,418 | 5,414 |

(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|------------------|------------------------------|-------------------------|---------------|--------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 17,193 | 367 | 0 | 0 | 434 | 327 | 0 | 6,495 | 15,459 | 218 | 2,019 | 25,318 | 42,511 | 139 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Kuwait | 507 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 507 | 2 |
| Saudi Arabia | 23,588 | 917 | 867 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1,784 | 25,372 | 83 |
| United Arab Emirates | 836 | 0 | 0 | 2,142 | 357 | 0 | 0 | 565 | 434 | 0 | 1,628 | 5,126 | 5,962 | 20 |
| Subtotal Arab OPEC | 42,124 | 1,284 | 867 | 2,142 | 791 | 327 | 0 | 7,060 | 15,893 | 218 | 3,647 | 32,228 | 74,352 | 244 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,760 | 0 | 0 | 2,760 | 3,062 | 10 |
| Gabon | 5,063 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 5,369 | 18 |
| Indonesia | 21,534 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 1,389 | 0 | 0 | 1,617 | 23,150 | 76 |
| Nigeria | 19,919 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 704 | 0 | 0 | 754 | 20,673 | 68 |
| Venezuela | 23,078 | 0 | 0 | 114 | 15,600 | 3,805 | 272 | 20,597 | 32,394 | 0 | 2,127 | 74,910 | 97,988 | 321 |
| Subtotal Other OPEC | 69,896 | 0 | 228 | 114 | 15,600 | 3,805 | 272 | 20,648 | 37,494 | 60 | 2,127 | 80,347 | 150,243 | 493 |
| Other | | | | | | | | | | | | | | |
| Angola | 17,269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,165 | 0 | 0 | 1,165 | 18,434 | 60 |
| Australia | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 746 | 0 | 0 | 746 | 1,419 | 5 |
| Bahamas | 0 | 0 | 481 | 0 | 0 | 1,402 | 69 | 5,214 | 7,234 | 0 | 180 | 14,579 | 14,579 | 48 |
| Brazil | 2 | 0 | 0 | 0 | 5,559 | 0 | 0 | 0 | 8,703 | 0 | 1 | 14,263 | 14,265 | 47 |
| Canada | 11,360 | 2,734 | 173 | 0 | 2,411 | 0 | 84 | 6,635 | 5,490 | 196 | 2,189 | 19,912 | 31,272 | 103 |
| Congo | 3,941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,875 | 0 | 0 | 1,875 | 5,816 | 19 |
| Egypt | 2,461 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,461 | 8 |
| France | 0 | (s) | 0 | 0 | 778 | 0 | 0 | 432 | 299 | (s) | 1 | 1,510 | 1,510 | 5 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 250 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 6 |
| Mexico | 29,884 | 0 | 0 | 0 | 831 | 306 | 0 | 1,260 | 918 | 291 | 349 | 7,759 | 37,643 | 123 |
| Netherlands | 1 | (s) | 0 | 219 | 7,172 | 196 | 0 | 8,228 | 1,418 | 36 | 251 | 17,519 | 17,520 | 57 |
| Netherlands Antilles | 0 | 0 | 7,178 | 426 | 5,108 | 893 | 0 | 2,513 | 36,672 | 0 | 352 | 53,143 | 53,143 | 174 |
| Norway | 22,229 | 0 | 0 | 0 | 0 | 89 | 0 | 366 | 0 | 0 | 0 | 456 | 22,685 | 74 |
| Oman | 1,489 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 585 | 0 | 0 | 585 | 2,074 | 7 |
| People's Republic of China | 3,226 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 3,226 | 11 |
| Peru | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,608 | 0 | (s) | 4,608 | 4,609 | 15 |
| Puerto Rico | 0 | 0 | 1,298 | 0 | 3,706 | 453 | 70 | 913 | 0 | 1,397 | 1,877 | 9,714 | 9,714 | 32 |
| Romania | 0 | 0 | 252 | 5,132 | 2,809 | 0 | 0 | 126 | 389 | 183 | 3,634 | 12,526 | 12,526 | 41 |
| Spain | 0 | 0 | 0 | 0 | 1,167 | 825 | 0 | 123 | 782 | 0 | 172 | 3,069 | 3,069 | 10 |
| Trinidad and Tobago | 5,071 | 0 | 13 | 0 | 0 | 0 | 0 | 504 | 1,731 | 7 | 0 | 2,255 | 7,327 | 24 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| United Kingdom | 55,547 | 525 | 471 | 79 | 3,277 | 154 | 0 | 163 | 655 | (s) | 287 | 5,610 | 61,157 | 201 |
| Virgin Islands | 0 | 0 | 4,611 | 43 | 15,075 | 6,191 | 2,352 | 15,805 | 38,899 | 0 | 0 | 82,976 | 82,976 | 272 |
| Zaire | 4,959 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,959 | 16 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 127 | 611 | 0 | 231 | 0 | 0 | 32 | 6,852 | 0 | 8 | 7,860 | 7,860 | 26 |
| Other Eastern Hemisphere | 7,467 | 300 | 45 | 1,226 | 10,135 | 851 | 60 | 6,894 | 7,740 | 474 | 1,110 | 28,835 | 36,302 | 119 |
| Subtotal Other | 165,587 | 3,686 | 15,134 | 10,930 | 58,258 | 11,360 | 2,636 | 49,207 | 128,890 | 2,584 | 10,411 | 293,096 | 458,683 | 1,504 |
| Total Imports | 277,607 | 4,970 | 16,229 | 13,186 | 74,650 | 15,492 | 2,908 | 76,914 | 182,276 | 2,861 | 16,184 | 405,671 | 683,278 | 2,240 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - October 1984
(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|----------------|---------------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 7,331 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,331 | 24 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 1 |
| Saudi Arabia | 2,659 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,659 | 9 |
| United Arab Emirates | 2,069 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,069 | 7 |
| Subtotal Arab OPEC | 12,258 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,258 | 40 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 3,179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,179 | 10 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 1,556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,556 | 5 |
| Nigeria | 8,083 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 8,287 | 27 |
| Venezuela | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 | 473 | 2 |
| Subtotal Other OPEC | 13,236 | 0 | 203 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 259 | 13,494 | 44 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 218 | 1 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 74,357 | 41,203 | 2,961 | 75 | 1,310 | 0 | 0 | 2,623 | 1,693 | 3,953 | 838 | 54,656 | 129,013 | 423 |
| Congo | 2,845 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 2,845 | 9 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 37,092 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 37,092 | 122 |
| Netherlands | 1,044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,044 | 3 |
| Norway | 1,076 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,076 | 4 |
| Peru | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 5,758 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,758 | 19 |
| United Kingdom | 3,639 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 3,641 | 12 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 1,535 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 2 | 3 | 1,538 | 5 |
| Subtotal Other | 127,567 | 41,205 | 3,179 | 75 | 1,310 | 0 | 0 | 2,623 | 1,693 | 3,953 | 842 | 54,879 | 182,446 | 598 |
| Total Imports | 153,061 | 41,205 | 3,382 | 75 | 1,310 | 0 | 0 | 2,678 | 1,693 | 3,953 | 842 | 55,138 | 208,199 | 683 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 36,217 | 0 | 345 | 399 | 0 | 0 | 0 | 50 | 1,753 | 2,993 | 8,071 | 13,611 | 49,828 | 163 |
| Iraq | 3,151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,151 | 10 |
| Kuwait | 5,098 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,019 | 0 | 0 | 4,019 | 9,117 | 30 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 5 |
| Saudi Arabia | 76,623 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | 0 | 1,013 | 77,636 | 255 |
| United Arab Emirates | 20,866 | 0 | 780 | 0 | 0 | 221 | 0 | 0 | 1,857 | 0 | 541 | 3,399 | 24,265 | 80 |
| Subtotal Arab OPEC | 143,453 | 0 | 1,125 | 399 | 0 | 221 | 0 | 50 | 8,642 | 2,993 | 8,612 | 22,042 | 165,495 | 543 |

See footnotes at end of table

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|-------------------------|---|-------------------------------|--------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District III | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 10,702 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,702 | 35 |
| Gabon | 11,997 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,997 | 39 |
| Indonesia | 23,022 | 1,356 | 396 | 0 | 0 | 0 | 0 | 0 | 3,000 | 758 | 303 | 5,814 | 28,836 | 95 |
| Iran | 1,032 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,032 | 3 |
| Nigeria | 37,552 | 0 | 1,379 | 0 | 0 | 0 | 0 | 3 | 490 | 0 | 248 | 2,120 | 39,672 | 130 |
| Venezuela | 53,390 | 0 | 6,739 | 829 | 2,290 | 0 | 0 | 0 | 2,504 | 68 | 437 | 12,867 | 66,258 | 217 |
| Subtotal Other OPEC | 137,696 | 1,356 | 8,514 | 829 | 2,290 | 0 | 0 | 3 | 5,994 | 826 | 989 | 20,801 | 158,497 | 520 |
| Other | | | | | | | | | | | | | | |
| Angola | 10,132 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,132 | 33 |
| Australia | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 519 | 0 | 164 | 684 | 685 | 2 |
| Bahamas | 0 | 0 | 8,009 | 506 | 0 | 0 | 0 | 349 | 0 | 258 | 2,668 | 11,790 | 11,790 | 39 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 0 | 0 | 0 | 234 | 1,639 | 0 | 0 | 0 | 264 | 260 | 23 | 2,420 | 2,420 | 8 |
| Canada | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 316 | 71 | 387 | 389 | 1 |
| Congo | 3,876 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 3,876 | 13 |
| Egypt | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 674 | 2 |
| France | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 15 | 16 | 16 | (s) |
| Malaysia | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 125 | (s) |
| Mexico | 133,548 | 1,769 | 11,359 | 872 | 439 | 29 | 0 | 201 | 1,018 | 9 | 362 | 16,058 | 149,606 | 491 |
| Netherlands | 1 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 0 | 300 | 565 | 1,024 | 1,026 | 3 |
| Netherlands Antilles | 0 | 28 | 2,796 | 0 | 1,289 | 0 | 0 | 358 | 174 | 35 | 96 | 4,776 | 4,776 | 16 |
| Norway | 11,949 | (s) | 0 | 0 | 0 | 361 | 0 | 0 | 0 | 0 | 0 | 361 | 12,310 | 40 |
| Oman | 1,769 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 654 | 0 | 0 | 654 | 2,422 | 8 |
| People's Republic of China | 1,033 | 0 | 0 | 803 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 834 | 1,867 | 6 |
| Peru | 0 | 0 | 755 | 0 | 0 | 223 | 0 | 0 | 262 | 0 | 223 | 1,462 | 1,462 | 5 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,344 | 0 | 2,344 | 2,344 | 8 |
| Romania | 0 | 0 | 0 | 305 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 544 | 544 | 2 |
| Spain | 0 | 0 | 218 | 0 | 0 | 190 | 0 | 0 | 0 | 12 | 18 | 438 | 438 | 1 |
| Trinidad and Tobago | 14,921 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 14,938 | 14,938 | 49 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 51,751 | 33 | 266 | 291 | 127 | 171 | 0 | (s) | 0 | 156 | 426 | 1,471 | 53,222 | 174 |
| Virgin Islands | 0 | 0 | 6,119 | 0 | 0 | 0 | 0 | 0 | 1,598 | 356 | 626 | 8,700 | 8,700 | 29 |
| Zaire | 4,493 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,493 | 15 |
| Other Western Hemisphere | 721 | 0 | 1,088 | 39 | 0 | 0 | 6 | 12 | 0 | 308 | 199 | 1,652 | 2,373 | 8 |
| Other Eastern Hemisphere | 25,457 | 0 | 6,558 | 18 | 0 | 693 | 0 | 56 | 2,327 | 1,281 | 183 | 11,116 | 36,573 | 120 |
| Subtotal Other | 260,590 | 1,830 | 37,293 | 2,924 | 3,799 | 1,668 | 6 | 976 | 6,816 | 5,874 | 5,688 | 66,872 | 327,462 | 1,074 |
| Total Imports | 541,739 | 3,186 | 46,932 | 4,152 | 6,088 | 1,888 | 6 | 1,029 | 21,452 | 9,692 | 15,289 | 109,715 | 651,454 | 2,136 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - October 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|-------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 9,952 | 4,066 | 0 | 0 | 606 | 0 | 0 | 1,199 | 123 | 4 | 994 | 6,992 | 16,945 | 56 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 9,952 | 4,066 | 0 | 0 | 606 | 0 | 0 | 1,199 | 123 | 4 | 994 | 6,992 | 16,945 | 56 |
| Total Imports | 9,952 | 4,066 | 0 | 0 | 606 | 0 | 0 | 1,199 | 123 | 4 | 994 | 6,992 | 16,945 | 56 |
| PAD District V | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 934 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1,187 | 4 |
| Saudi Arabia | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 252 | 1 |
| United Arab Emirates | 0 | 0 | 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 269 | 1 |
| Subtotal Arab OPEC | 934 | 0 | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 774 | 1,707 | 6 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 360 | 1 |
| Indonesia | 45,170 | 0 | 1,808 | 0 | 1,354 | 200 | 0 | 368 | 1,557 | 467 | 315 | 6,068 | 51,238 | 168 |
| Venezuela | 624 | 0 | 0 | 0 | 246 | 403 | 0 | 0 | 0 | 0 | 67 | 716 | 1,340 | 4 |
| Subtotal Other OPEC | 46,153 | 0 | 1,808 | 0 | 1,600 | 603 | 0 | 368 | 1,557 | 467 | 382 | 6,785 | 52,938 | 174 |
| Other | | | | | | | | | | | | | | |
| Australia | 4,628 | 504 | 0 | 0 | 726 | 118 | 0 | 265 | 248 | 0 | 44 | 1,904 | 6,533 | 21 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 6,355 | 3,725 | 159 | 0 | 1,209 | 216 | (s) | 254 | 85 | 215 | 61 | 5,925 | 12,280 | 40 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 284 | 284 | 1 |
| Mexico | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 11 | 60 | 0 | 249 | 371 | 371 | 1 |
| Netherlands | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | (s) |
| Netherlands Antilles | 0 | 0 | 7 | 0 | 0 | 40 | 0 | 0 | 192 | 0 | 120 | 358 | 358 | 1 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 668 | 6,816 | 1,116 | 0 | 0 | 0 | 0 | 347 | 3 | 8,950 | 8,950 | 29 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 0 | 155 | 394 | 394 | 1 |
| Romania | 0 | 0 | 0 | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | (s) |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 46 | (s) |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 318 | 0 | 0 | 0 | 318 | 318 | 1 |
| Other Eastern Hemisphere | 1,404 | (s) | 1,032 | 215 | 1,031 | 424 | 0 | 316 | 1,752 | 81 | 881 | 5,731 | 7,136 | 23 |
| Subtotal Other | 12,388 | 4,281 | 1,866 | 7,253 | 4,240 | 804 | (s) | 1,422 | 2,436 | 693 | 1,514 | 24,509 | 36,896 | 121 |
| Total Imports | 59,475 | 4,281 | 4,447 | 7,253 | 5,840 | 1,407 | (s) | 1,790 | 3,993 | 1,159 | 1,896 | 32,067 | 91,542 | 300 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(s) = Less than 500 barrels or less than 500 barrels per day.

| Commodity | Petroleum Administration for Defense Districts | | | | |
|---|--|--------------|--------------|----------|--------------|
| | I | II | III | IV | V |
| Crude Oil (including lease condensate) ¹ | 0 | 637 | 0 | 0 | 3,734 |
| Natural Gas Liquids | | | | | |
| Pentanes Plus | 38 | 524 | 1,055 | 0 | 193 |
| Liquefied Petroleum Gases | 0 | 77 | 0 | 0 | 0 |
| Ethane | 38 | 447 | 1,055 | 0 | 193 |
| Propane | 0 | 153 | 0 | 0 | 0 |
| Normal Butane | 17 | 141 | 991 | 0 | 77 |
| Isobutane | 22 | 77 | 65 | 0 | 116 |
| Finished Motor Gasoline | 0 | 77 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 26 | 0 | (s) | 0 | 5 |
| Kerosene-Type Jet Fuel | 0 | 0 | 233 | 0 | 0 |
| Kerosene | 2 | 0 | 0 | 0 | 158 |
| Distillate Fuel Oil | 123 | (s) | (s) | 0 | 1 |
| Residual Fuel Oil | (s) | 0 | 471 | 0 | 866 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 40 | 11 | 3,369 | 0 | 2,029 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | (s) | 97 | 85 | 1 | 22 |
| Special Naphthas | 5 | 17 | 118 | 0 | 182 |
| Lubricants | 118 | 23 | 8 | (s) | 3 |
| Waxes | 4 | 1 | 208 | 1 | 35 |
| Petroleum Coke | 39 | 170 | 23 | (s) | 4 |
| Asphalt | 1 | 1 | 2,312 | 1 | 1,550 |
| Miscellaneous Products | 14 | 3 | (s) | 1 | 2 |
| Total Product Exports | 412 | 845 | 4 | 0 | 13 |
| | | | 7,888 | 4 | 5,061 |
| Total Exports | 412 | 1,482 | 7,888 | 4 | 8,795 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 21. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January - October 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | Total |
|---|--|---------------|---------------|-----------|----------------|----------------|
| | I | II | III | IV | V | |
| Crude Oil (including lease condensate) ¹ | 0 | 5,014 | (s) | 0 | 49,422 | 54,436 |
| Natural Gas Liquids | 383 | 4,934 | 7,134 | 7 | 1,690 | 14,148 |
| Pentanes Plus | 0 | 726 | 0 | 0 | 0 | 726 |
| Liquefied Petroleum Gases | 383 | 4,208 | 7,134 | 7 | 1,690 | 13,422 |
| Ethane | 1 | 1,452 | (s) | 0 | (s) | 1,453 |
| Propane | 181 | 1,244 | 6,037 | 7 | 678 | 8,147 |
| Normal Butane | 201 | 787 | 1,097 | (s) | 1,012 | 3,097 |
| Isobutane | 0 | 726 | 0 | 0 | 0 | 726 |
| Finished Motor Gasoline | 170 | 4 | 368 | 0 | 753 | 1,295 |
| Naphtha-Type Jet Fuel | (s) | 0 | 433 | 0 | 0 | 433 |
| Kerosene-Type Jet Fuel | 176 | 139 | 432 | 0 | 565 | 1,312 |
| Kerosene | 27 | (s) | 4 | 0 | 1 | 32 |
| Distillate Fuel Oil | 863 | 56 | 3,725 | (s) | 9,553 | 14,198 |
| Residual Fuel Oil | 1,064 | 0 | 19,509 | 0 | 31,293 | 51,867 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 534 | 100 | 1,049 | 9 | 200 | 1,892 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 4 | 350 | 3,506 | 0 | 651 | 4,510 |
| Special Naphthas | 58 | 93 | 273 | 3 | 254 | 681 |
| Lubricants | 1,072 | 261 | 2,777 | 13 | 434 | 4,557 |
| Waxes | 46 | 8 | 279 | (s) | 37 | 370 |
| Petroleum Coke | 2,063 | 2,447 | 29,390 | 8 | 23,775 | 57,681 |
| Asphalt | 49 | 63 | 28 | 5 | 13 | 158 |
| Miscellaneous Products | 151 | 19 | 111 | 1 | 43 | 324 |
| Total Product Exports | 6,659 | 8,473 | 69,017 | 46 | 69,263 | 153,458 |
| Total Exports | 6,659 | 13,487 | 69,017 | 46 | 118,685 | 207,894 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|--------|-------|-----------------------|
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | 1 | 2 | (s) |
| Australia | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 124 | (s) | 3 | 130 | 4 |
| Bahamas | 0 | 5 | 1 | 0 | (s) | 314 | 0 | 2 | 0 | 0 | 0 | 0 | 322 | 10 |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 50 | (s) | (s) | 50 | 2 |
| Belgium & Luxembourg | 0 | (s) | 0 | 0 | (s) | 0 | 2 | 8 | (s) | 454 | (s) | (s) | 464 | 15 |
| Brazil | 0 | 5 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 85 | 0 | 1 | 92 | 3 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 30 | 0 | 0 | 30 | 1 |
| Canada | 637 | 448 | 25 | 293 | 1,135 | 334 | 20 | 53 | 2 | 438 | 2 | 200 | 3,588 | 116 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 0 | 0 | 1 | 1 | (s) |
| China (Taiwan) | 0 | 0 | 0 | 0 | 0 | 369 | (s) | 13 | (s) | 61 | 0 | 1 | 444 | 14 |
| Colombia | 0 | 1 | 0 | 0 | 0 | 0 | (s) | 13 | (s) | (s) | 0 | (s) | 14 | (s) |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 2 | 0 | 0 | 0 | 1 | 3 | (s) |
| Denmark | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | 0 | 0 | 0 | (s) | (s) |
| Dominican Republic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | 0 | 2 | (s) |
| Ecuador | 0 | 38 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 0 | (s) | 1 | 39 | 1 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 | (s) |
| El Salvador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 10 | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| France | 0 | (s) | 0 | 0 | (s) | 0 | 0 | (s) | 1 | 0 | 0 | 118 | 120 | 4 |
| French Pacific Isl | 0 | 0 | 0 | 48 | 4 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 65 | 2 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 1 | (s) |
| Guatemala | 0 | 58 | 0 | 0 | 0 | 0 | (s) | 2 | (s) | 0 | 0 | (s) | 61 | 2 |
| Guinea | 0 | 0 | 0 | 0 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 3 |
| Honduras | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | (s) | 1 | 12 | (s) |
| Hong Kong | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 0 | 0 | 0 | 4 | (s) |
| India | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | (s) | 0 | 0 | 6 | 31 | 1 |
| Indonesia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 91 | 1 | 0 | 93 | 3 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | 179 | 0 | (s) | (s) | (s) |
| Italy | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | (s) | 180 | 6 |
| Jamaica | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 3 | (s) | 2 | 0 | 1 | 13 | (s) |
| Japan | 0 | 12 | 0 | 0 | 95 | 723 | 3 | 38 | 0 | 1,029 | (s) | 81 | 1,985 | 64 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 636 | 21 |
| Korea, Republic of | 0 | 0 | 0 | 0 | 0 | 528 | 2 | 1 | (s) | 32 | 0 | 73 | 4 | (s) |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) |
| Liberia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Malaysia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | (s) | 112 | 113 | 4 |
| Mexico | 0 | 1,057 | 5 | 50 | (s) | 302 | 3 | 26 | 12 | 26 | 0 | 5 | 1,486 | 48 |
| Netherlands | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 1,326 | (s) | 20 | 1,349 | 44 |
| Netherlands Antilles | 0 | (s) | 0 | 0 | 40 | 1,095 | (s) | 37 | 0 | 0 | 0 | (s) | 1,172 | 38 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | (s) | 1 | 2 | (s) |
| Nicaragua | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | (s) | 2 | (s) |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 0 | (s) | (s) |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | (s) | 0 | (s) | (s) |
| Pacific Trust Terr. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Panama | 0 | 25 | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 0 | (s) | 1 | 29 | 1 |
| Peru | 0 | 27 | 0 | 0 | 0 | 0 | (s) | 25 | (s) | (s) | 0 | (s) | 52 | 2 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | (s) | 0 | 1 | (s) |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 14 | (s) | 0 | (s) | 10 | 45 | 1 |
| Rep. of South Africa | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 22 | 9 | 0 | 0 | 2 | 33 | 1 |
| Saudi Arabia | 0 | 13 | 0 | 0 | 0 | 0 | (s) | 7 | 0 | 0 | 0 | 1 | 21 | 1 |

See footnotes at end of table.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, October 1984
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|--------------|--------------|-------------------------|------------|----------------|-------------------|------------------|------------|-----------|----------------|----------|--------------------|---------------|-----------------------|
| Singapore | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 2 | 0 | 0 | (s) | 1 | 3 | (s) |
| Spain | 0 | 0 | 0 | 0 | 0 | 543 | (s) | 1 | (s) | 0 | 0 | (s) | 544 | 18 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Sweden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 17 | 0 | (s) | 19 | 1 |
| Switzerland | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 0 | 0 | (s) | 1 | (s) |
| Thailand | 0 | (s) | 0 | 0 | 0 | 0 | 1 | 1 | (s) | 0 | (s) | 1 | 3 | (s) |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 3 | (s) | 0 | 0 | 3 | 6 | (s) |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 3 | 0 | 0 | 0 | (s) | 4 | (s) |
| United Arab Emirates | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 8 | (s) | 0 | 0 | 1 | 8 | (s) |
| United Kingdom | 0 | 1 | 0 | 0 | 1 | 467 | (s) | 6 | 0 | 31 | (s) | 1 | 508 | 16 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| Venezuela | 0 | (s) | (s) | 0 | 0 | 0 | (s) | 6 | 1 | 80 | 0 | 2 | 89 | 3 |
| Virgin Islands | 2,140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,140 | 69 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 1 | (s) | 19 | (s) | (s) | 21 | 1 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Other | 1,594 | 13 | 0 | 0 | 184 | 627 | (s) | 8 | 1 | 1 | 1 | 2 | 2,429 | 78 |
| Total | 4,371 | 1,734 | 31 | 391 | 1,460 | 5,398 | 33 | 385 | 32 | 4,073 | 5 | 670 | 18,582 | 599 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical

Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - October 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|------------|-------|----------------|---------|--------|--------|-----------------------|
| Argentina | 0 | 1 | 0 | 431 | (s) | 0 | 4 | 112 | 3 | 1 | 0 | 161 | 712 | 2 |
| Australia | 0 | 6 | 269 | 0 | 1 | 800 | 32 | 60 | 2 | 1,418 | 2 | 106 | 2,694 | 9 |
| Bahamas | 0 | 77 | 9 | (s) | 862 | 1,173 | 0 | 15 | (s) | 0 | 0 | 3 | 2,139 | 7 |
| Bahrain | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 2 | 0 | 326 | (s) | 1 | 329 | 1 |
| Belgium & Luxembourg | 0 | 10 | (s) | 0 | (s) | 0 | 6 | 82 | 1 | 6,511 | 1 | 5 | 6,617 | 22 |
| Brazil | 0 | 9 | 0 | 0 | 0 | 0 | 8 | 10 | (s) | 420 | 0 | 13 | 460 | 2 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 151 | 0 | (s) | 151 | (s) |
| Canada | 5,014 | 4,231 | 164 | 513 | 3,486 | 2,217 | 114 | 622 | 26 | 4,743 | 110 | 1,422 | 22,661 | 74 |
| Chile | 0 | (s) | 83 | 43 | 256 | 61 | 3 | 97 | (s) | 1 | 2 | 6 | 554 | 2 |
| China (Taiwan) | 0 | 2 | 0 | 0 | 0 | 4,140 | 1 | 101 | 2 | 244 | 1 | 11 | 5,421 | 18 |
| Colombia | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 63 | 61 | 1 | 0 | 10 | 144 | (s) |
| Costa Rica | 0 | 49 | (s) | 0 | 0 | 0 | 17 | 41 | 1 | 22 | 10 | 8 | 147 | (s) |
| Denmark | 0 | 2 | 0 | 0 | 0 | (s) | 0 | 3 | 1 | 513 | 0 | 1 | 520 | 2 |
| Dominican Republic | 0 | 305 | 0 | 0 | 0 | 0 | (s) | 8 | 1 | 64 | (s) | 6 | 384 | 1 |
| Ecuador | 0 | 389 | 25 | 0 | 332 | (s) | 4 | 7 | 2 | 0 | 2 | 8 | 769 | 3 |
| Egypt | 0 | 1 | 0 | 0 | 0 | 0 | (s) | 26 | (s) | 0 | 0 | 2 | 30 | (s) |
| El Salvador | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 43 | (s) | 0 | 0 | 4 | 49 | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) | 0 | 0 | 2 | 6 | (s) |
| France | 0 | 38 | 1 | 0 | 1 | 1,109 | (s) | 11 | 14 | 3,920 | 0 | 1,125 | 6,219 | 20 |
| French Pacific Isl | 0 | (s) | 0 | 48 | 4 | 350 | 0 | 2 | 0 | 0 | (s) | 13 | 417 | 1 |
| Ghana | 0 | 0 | 0 | 0 | 141 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 141 | (s) |
| Greece | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 230 | 0 | 2 | 240 | 1 |
| Guatemala | 0 | 541 | 0 | 0 | 0 | 0 | 4 | 33 | 0 | 0 | (s) | 5 | 586 | 2 |
| Guinea | 0 | (s) | 0 | 0 | 0 | 452 | (s) | 6 | 0 | 0 | 0 | (s) | 459 | 2 |
| Honduras | 0 | 3 | (s) | 0 | (s) | 0 | 5 | 57 | (s) | (s) | 0 | 3 | 69 | (s) |
| Hong Kong | 0 | 1 | 0 | 0 | (s) | 1,910 | 2 | 14 | 2 | 0 | 1 | 6 | 1,936 | 6 |
| India | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 78 | 1 | 38 | (s) | 33 | 150 | (s) |
| Indonesia | 0 | 1 | 0 | 0 | 1 | 0 | (s) | 27 | (s) | 357 | 1 | 11 | 398 | 1 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Israel | 0 | 7 | 0 | 0 | 0 | 0 | 2 | 1 | (s) | (s) | 0 | 9 | 20 | (s) |
| Italy | 0 | 159 | 0 | 0 | 0 | 3,610 | 6 | 7 | 4 | 6,646 | (s) | 1,106 | 11,538 | 38 |
| Ivory Coast | 0 | 0 | 0 | 0 | 174 | 280 | 0 | 27 | 0 | 0 | 1 | (s) | 481 | 2 |
| Jamaica | (s) | 219 | 0 | 0 | 0 | 520 | (s) | 110 | (s) | 0 | (s) | 9 | 883 | 3 |
| Japan | 0 | 29 | (s) | 0 | 2,955 | 10,020 | 313 | 224 | 24 | 12,766 | 1 | 448 | 26,780 | 88 |
| Jordan | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 7 | 0 | (s) | 0 | 1 | 8 | (s) |
| Korea, Republic of | 0 | 6 | 0 | 0 | 668 | 3,099 | 5 | 41 | 3 | 800 | (s) | 397 | 5,021 | 16 |
| Kuwait | 0 | 3 | (s) | 0 | 0 | 0 | (s) | 19 | 0 | (s) | 0 | 1 | 23 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | (s) | (s) | 8 | (s) |
| Liberia | 0 | 1 | 0 | 0 | 0 | 365 | 0 | 2 | (s) | 0 | (s) | (s) | 368 | 1 |
| Malaysia | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 7 | (s) | 0 | (s) | 113 | 121 | (s) |
| Mexico | 0 | 5,984 | 43 | 377 | (s) | 1,210 | 23 | 601 | 76 | 310 | 1 | 112 | 8,736 | 29 |
| Netherlands | 0 | 145 | 0 | 0 | (s) | 917 | 55 | 59 | 4 | 8,428 | 1 | 620 | 10,229 | 34 |
| Netherlands Antilles | 0 | 4 | 87 | 128 | 1,231 | 4,903 | (s) | 40 | 0 | 0 | 0 | (s) | 6,392 | 21 |
| New Zealand | 0 | (s) | 443 | 0 | 301 | 0 | 3 | 11 | (s) | 388 | (s) | 9 | 1,155 | 4 |
| Nicaragua | 0 | 12 | 0 | 0 | 0 | 0 | 3 | 26 | 0 | 0 | 0 | 3 | 44 | (s) |
| Nigeria | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 113 | (s) | 0 | (s) | 3 | 117 | (s) |
| Norway | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 2 | (s) | 912 | (s) | 1 | 915 | 3 |
| Pacific Trust Terr. | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 2 | (s) |
| Panama | 0 | 137 | 113 | 0 | 1,317 | 1,236 | 7 | 57 | (s) | 28 | (s) | 4 | 2,900 | 10 |
| Peru | 0 | 68 | 0 | 0 | 576 | 0 | (s) | 119 | (s) | 1 | (s) | 3 | 767 | 3 |
| Philippines | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 12 | 1 | 0 | (s) | 115 | 133 | (s) |
| Puerto Rico | 6,944 | 111 | 2 | (s) | (s) | 202 | 12 | 162 | 15 | (s) | 1 | 190 | 7,640 | 25 |
| Rep. of South Africa | 0 | 2 | 0 | 0 | (s) | 0 | (s) | 108 | 80 | 281 | 1 | 433 | 906 | 3 |

See footnotes at end of table.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - October 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|---------------|---------------|-------------------------|--------------|----------------|-------------------|------------------|--------------|------------|-----------------|------------|--------------------|----------------|-----------------------|
| Saudi Arabia | 0 | 78 | 0 | 0 | 0 | (s) | 1 | 146 | (s) | 0 | 0 | 26 | 251 | 1 |
| Singapore | 0 | 12 | 0 | 0 | 100 | 2,708 | 22 | 70 | 70 | 23 | (s) | 12 | 2,946 | 10 |
| Spain | 0 | 4 | 0 | 0 | 523 | 2,568 | (s) | 380 | 1 | 4,619 | (s) | 254 | 8,350 | 27 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 58 | 0 | 1 | 70 | (s) |
| Sweden | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 14 | 1 | 332 | (s) | 5 | 355 | 1 |
| Switzerland | 0 | 3 | 0 | 0 | 0 | 0 | (s) | 6 | 1 | 0 | 0 | 4 | 14 | (s) |
| Thailand | 0 | (s) | 30 | 0 | 0 | 0 | 2 | 44 | (s) | (s) | (s) | 122 | 199 | 1 |
| Trinidad and Tobago | 0 | 43 | 0 | 206 | (s) | (s) | 5 | 18 | (s) | 0 | (s) | 6 | 278 | 1 |
| Turkey | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 9 | (s) | 302 | 0 | 174 | 486 | 2 |
| United Arab Emirates | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 78 | 0 | 257 | (s) | 23 | 360 | 1 |
| United Kingdom | 0 | 46 | (s) | 0 | 9 | 1,946 | 1 | 47 | 3 | 126 | 15 | 26 | 2,219 | 7 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 268 | 0 | 237 | 0 | (s) | 505 | 2 |
| Uruguay | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 7 | (s) | 0 | (s) | 2 | 9 | (s) |
| Venezuela | (s) | 525 | (s) | 0 | (s) | (s) | 9 | 19 | 4 | 668 | 1 | 21 | 1,248 | 4 |
| Virgin Islands | 33,003 | 14 | 0 | 0 | 0 | 4,621 | 0 | (s) | 0 | 0 | 0 | (s) | 37,639 | 123 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 76 | 25 | 916 | (s) | 98 | 1,116 | 4 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 440 | 0 | (s) | 440 | 1 |
| Other | 9,475 | 118 | (s) | 0 | 335 | 1,450 | (s) | 78 | 4 | 186 | 5 | 165 | 11,814 | 112 |
| Total | 54,436 | 13,422 | 1,295 | 1,745 | 14,198 | 51,867 | 681 | 4,557 | 370 | 57,681 | 158 | 7,484 | 207,894 | 682 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1984
(Thousand Barrels)

| Commodity | PAD District I | | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | |
|--|----------------|----------------|---------|----------------|-----------------|--------------------|-------------------|---------|--------------|------------------|----------------|---------------|------------|-----------------|--------------|---------------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | PAD Dist. IV | | |
| | | | | | | | | | | | | | | | Rocky Mt. | | West Coast |
| Crude Oil (incl. lease condensate) | | | | | | | | | | | | | | | | | |
| Refinery | -- | -- | 14,079 | -- | -- | -- | -- | 13,656 | -- | -- | -- | -- | -- | 47,303 | 2,205 | 20,415 | 97,658 |
| Tank Farms and Pipelines | -- | -- | 1,602 | -- | -- | -- | -- | 60,554 | -- | -- | -- | -- | -- | 97,492 | 10,162 | 27,083 | 196,893 |
| Leases | -- | -- | 61 | -- | -- | -- | -- | 1,663 | -- | -- | -- | -- | -- | 16,787 | 1,321 | 1,173 | 21,005 |
| Strategic Petroleum Reserve ¹ | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 438,234 | 0 | 0 | 438,234 |
| Alaskan In-Transit | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 27,360 | 27,360 |
| Total | -- | -- | 15,742 | -- | -- | -- | -- | 75,873 | -- | -- | -- | -- | -- | 599,816 | 13,688 | 76,031 | 781,150 |
| Total Stocks, All Oils (excl. Crude Oil) | | | | | | | | | | | | | | | | | |
| Refinery | 38,915 | 2,656 | 41,571 | 899 | 41,241 | 6,017 | 14,744 | 62,901 | 9,195 | 74,496 | 47,307 | 5,010 | 1,127 | 137,135 | 11,210 | 61,394 | 314,211 |
| Bulk Terminal | -- | -- | 133,178 | -- | -- | -- | -- | 81,478 | -- | -- | -- | -- | -- | 91,091 | 2,960 | 22,847 | 331,554 |
| Pipeline | -- | -- | 28,401 | -- | -- | -- | -- | 35,124 | -- | -- | -- | -- | -- | 40,452 | 2,547 | 4,487 | 111,011 |
| Natural Gas Processing Plant | 224 | 45 | 269 | 0 | 525 | 63 | 1,472 | 2,060 | 1,489 | 2,644 | 408 | 76 | 236 | 4,853 | 204 | 157 | 7,543 |
| Total | -- | -- | 203,419 | -- | -- | -- | -- | 181,563 | -- | -- | -- | -- | -- | 273,531 | 16,921 | 88,885 | 764,319 |
| Pentananes Plus | | | | | | | | | | | | | | | | | |
| Refinery | 13 | 0 | 13 | 0 | 27 | 57 | 123 | 207 | 86 | 94 | 120 | 16 | 12 | 328 | 19 | 13 | 580 |
| Bulk Terminal | -- | -- | 16 | -- | -- | -- | -- | 1,601 | -- | -- | -- | -- | -- | 3,062 | 1 | 6 | 4,686 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 356 | -- | -- | -- | -- | -- | 1,271 | 166 | 5 | 1,798 |
| Natural Gas Processing Plant | 2 | 10 | 12 | 0 | 48 | 23 | 267 | 338 | 414 | 328 | 149 | 30 | 22 | 943 | 99 | 25 | 1,417 |
| Total | -- | -- | 41 | -- | -- | -- | -- | 2,502 | -- | -- | -- | -- | -- | 5,604 | 285 | 49 | 8,481 |
| Liquefied Petroleum Gases | | | | | | | | | | | | | | | | | |
| Refinery | 673 | 18 | 691 | 295 | 2,131 | 140 | 753 | 3,319 | 220 | 988 | 1,645 | 50 | 28 | 2,931 | 409 | 716 | 8,066 |
| Bulk Terminal | -- | -- | 1,380 | -- | -- | -- | -- | 19,144 | -- | -- | -- | -- | -- | 60,197 | 127 | 1,848 | 82,696 |
| Pipeline | -- | -- | 1,962 | -- | -- | -- | -- | 6,271 | -- | -- | -- | -- | -- | 5,663 | 429 | 0 | 14,325 |
| Natural Gas Processing Plant | 222 | 35 | 257 | 0 | 474 | 40 | 1,205 | 1,719 | 926 | 2,315 | 259 | 44 | 214 | 3,758 | 105 | 132 | 5,971 |
| Total | -- | -- | 4,290 | -- | -- | -- | -- | 30,453 | -- | -- | -- | -- | -- | 72,549 | 1,070 | 2,696 | 111,058 |
| Ethane | | | | | | | | | | | | | | | | | |
| Refinery | 12 | 0 | 12 | 0 | 1 | 12 | 0 | 13 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 31 |
| Bulk Terminal | -- | -- | 1 | -- | -- | -- | -- | 2,714 | -- | -- | -- | -- | -- | 13,378 | 0 | 0 | 16,093 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1,520 | -- | -- | -- | -- | -- | 1,890 | 134 | 0 | 3,544 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 24 | 0 | 338 | 362 | 73 | 581 | 0 | 1 | 7 | 662 | 3 | 0 | 1,027 |
| Total | -- | -- | 13 | -- | -- | -- | -- | 4,609 | -- | -- | -- | -- | -- | 15,936 | 137 | 0 | 20,695 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | PAD District IV | | United States | |
|---|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|-----------------|------------|---------------|---------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mnt. | | Dist. V |
| | | | | | | | | | | | | | | | | | |
| Propane for Petrochemical Feedstock Use | | | | | | | | | | | | | | | | | |
| Refinery | 33 | 0 | 33 | 0 | 64 | 0 | 4 | 68 | 4 | 11 | 145 | 0 | 0 | 160 | 0 | 0 | 261 |
| Total | -- | -- | 33 | -- | -- | -- | -- | 68 | -- | -- | -- | -- | -- | 160 | 0 | 0 | 261 |
| Propane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 597 | 3 | 600 | 1 | 1,322 | 24 | 262 | 1,609 | 81 | 70 | 1,146 | 4 | 2 | 1,303 | 163 | 267 | 3,942 |
| Bulk Terminal | -- | -- | 1,224 | -- | -- | -- | -- | 12,974 | -- | -- | -- | -- | -- | 31,711 | 126 | 586 | 46,621 |
| Pipeline | -- | -- | 1,822 | -- | -- | -- | -- | 3,657 | -- | -- | -- | -- | -- | 2,679 | 173 | 0 | 8,331 |
| Natural Gas Processing Plant | 191 | 35 | 226 | 0 | 305 | 19 | 619 | 943 | 509 | 891 | 133 | 19 | 107 | 1,659 | 62 | 115 | 3,005 |
| Total | -- | -- | 3,872 | -- | -- | -- | -- | 19,183 | -- | -- | -- | -- | -- | 37,352 | 524 | 968 | 61,899 |
| Normal Butane For Petro. Feed Use | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 0 | 36 | 0 | 36 | 0 | 5 | 0 | 2 | 0 | 7 | 2 | 1 | 46 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 36 | -- | -- | -- | -- | -- | 7 | 2 | 1 | 46 |
| Normal Butane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 31 | 15 | 46 | 219 | 528 | 43 | 347 | 1,137 | 103 | 706 | 173 | 29 | 16 | 1,027 | 183 | 422 | 2,815 |
| Bulk Terminal | -- | -- | 136 | -- | -- | -- | -- | 2,192 | -- | -- | -- | -- | -- | 9,388 | 1 | 1,083 | 12,800 |
| Pipeline | -- | -- | 140 | -- | -- | -- | -- | 803 | -- | -- | -- | -- | -- | 692 | 80 | 0 | 1,715 |
| Natural Gas Processing Plant | 30 | 0 | 30 | 0 | 113 | 17 | 181 | 311 | 281 | 456 | 81 | 16 | 88 | 922 | 35 | 11 | 1,309 |
| Total | -- | -- | 352 | -- | -- | -- | -- | 4,443 | -- | -- | -- | -- | -- | 12,029 | 299 | 1,516 | 18,639 |
| Isobutane | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 75 | 216 | 25 | 140 | 456 | 32 | 190 | 181 | 15 | 10 | 428 | 61 | 26 | 971 |
| Bulk Terminal | -- | -- | 19 | -- | -- | -- | -- | 1,264 | -- | -- | -- | -- | -- | 5,720 | 0 | 179 | 7,182 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 291 | -- | -- | -- | -- | -- | 402 | 42 | 0 | 735 |
| Natural Gas Processing Plant | 1 | 0 | 1 | 0 | 32 | 4 | 67 | 103 | 63 | 387 | 45 | 8 | 12 | 515 | 5 | 6 | 630 |
| Total | -- | -- | 20 | -- | -- | -- | -- | 2,114 | -- | -- | -- | -- | -- | 7,065 | 108 | 211 | 9,518 |
| Other Hydrocarbons and Alcohol | | | | | | | | | | | | | | | | | |
| Refinery | 121 | 0 | 121 | 0 | 139 | 0 | 1 | 140 | 1 | 88 | 1 | 0 | 0 | 90 | 0 | 5 | 356 |
| Total | -- | -- | 121 | -- | -- | -- | -- | 140 | -- | -- | -- | -- | -- | 90 | 0 | 5 | 356 |
| Unfinished Oils | | | | | | | | | | | | | | | | | |
| Refinery | 4,319 | 135 | 4,454 | 53 | 3,275 | 133 | 860 | 4,321 | 554 | 7,078 | 5,519 | 249 | 23 | 13,423 | 365 | 5,621 | 28,184 |
| Naphtha and Lighter | 1,891 | 4 | 1,895 | 0 | 2,502 | 3 | 479 | 2,984 | 836 | 5,330 | 2,306 | 48 | 5 | 8,525 | 478 | 3,309 | 17,191 |
| Kerosene and Lighter Gas Oils | 6,188 | 326 | 6,514 | 2 | 5,886 | 289 | 1,337 | 7,514 | 889 | 9,168 | 8,615 | 373 | 151 | 19,196 | 1,276 | 11,220 | 45,720 |
| Heavy Gas Oils | 1,226 | 244 | 1,470 | 93 | 2,971 | 4 | 1,114 | 4,182 | 471 | 5,022 | 3,673 | 56 | 0 | 9,222 | 677 | 4,522 | 20,073 |
| Residuum | 13,624 | 709 | 14,333 | 148 | 14,634 | 429 | 3,790 | 19,001 | 2,750 | 26,598 | 20,113 | 726 | 179 | 50,366 | 2,796 | 24,672 | 111,168 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|------------|-----------------|------------|---------------|-------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mnt. | | PAD Dist. V |
| | | | | | | | | | | | | | | | | | |
| Motor Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 3,728 | 56 | 3,784 | 41 | 4,850 | 724 | 1,587 | 7,202 | 1,407 | 10,391 | 6,054 | 109 | 248 | 18,209 | 1,554 | 7,636 | 38,385 |
| Bulk Terminal | -- | -- | 42 | -- | -- | -- | -- | 131 | -- | -- | -- | -- | -- | 467 | 0 | 330 | 970 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 20 | -- | -- | -- | -- | -- | 0 | 0 | 0 | 20 |
| Total | -- | -- | 3,826 | -- | -- | -- | -- | 7,353 | -- | -- | -- | -- | -- | 18,676 | 1,554 | 7,966 | 39,375 |
| Aviation Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 93 | 0 | 40 | 133 | 0 | 33 | 156 | 0 | 0 | 189 | 0 | 19 | 341 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 133 | -- | -- | -- | -- | -- | 189 | 0 | 19 | 341 |
| Total Finished Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 5,028 | 247 | 5,275 | 103 | 5,949 | 1,152 | 3,205 | 10,409 | 1,837 | 10,100 | 4,898 | 653 | 208 | 17,696 | 2,027 | 7,230 | 42,637 |
| Bulk Terminal | -- | -- | 39,756 | -- | -- | -- | -- | 31,425 | -- | -- | -- | -- | -- | 14,188 | 1,674 | 10,408 | 97,451 |
| Pipeline | -- | -- | 14,401 | -- | -- | -- | -- | 16,321 | -- | -- | -- | -- | -- | 19,071 | 1,036 | 2,252 | 53,081 |
| Total | -- | -- | 59,432 | -- | -- | -- | -- | 58,155 | -- | -- | -- | -- | -- | 50,955 | 4,737 | 19,890 | 193,169 |
| Finished Leaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 1,430 | 145 | 1,575 | 49 | 2,669 | 606 | 1,598 | 4,922 | 1,015 | 3,901 | 1,716 | 294 | 100 | 7,026 | 1,269 | 3,144 | 17,936 |
| Bulk Terminal | -- | -- | 17,258 | -- | -- | -- | -- | 15,350 | -- | -- | -- | -- | -- | 6,135 | 964 | 4,978 | 44,685 |
| Pipeline | -- | -- | 5,428 | -- | -- | -- | -- | 7,305 | -- | -- | -- | -- | -- | 7,218 | 620 | 885 | 21,456 |
| Total | -- | -- | 24,261 | -- | -- | -- | -- | 27,577 | -- | -- | -- | -- | -- | 20,379 | 2,853 | 9,007 | 84,077 |
| Finished Unleaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 3,598 | 102 | 3,700 | 54 | 3,280 | 546 | 1,607 | 5,487 | 822 | 6,199 | 3,182 | 359 | 108 | 10,670 | 758 | 4,086 | 24,701 |
| Bulk Terminal | -- | -- | 22,498 | -- | -- | -- | -- | 16,075 | -- | -- | -- | -- | -- | 8,053 | 710 | 5,430 | 52,766 |
| Pipeline | -- | -- | 8,973 | -- | -- | -- | -- | 9,016 | -- | -- | -- | -- | -- | 11,853 | 416 | 1,367 | 31,625 |
| Total | -- | -- | 35,171 | -- | -- | -- | -- | 30,578 | -- | -- | -- | -- | -- | 30,576 | 1,884 | 10,883 | 109,092 |
| Finished Aviation Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 35 | 0 | 35 | 0 | 101 | 0 | 11 | 112 | 105 | 296 | 117 | 0 | 0 | 518 | 40 | 184 | 889 |
| Bulk Terminal | -- | -- | 369 | -- | -- | -- | -- | 455 | -- | -- | -- | -- | -- | 122 | 15 | 421 | 1,382 |
| Pipeline | -- | -- | 57 | -- | -- | -- | -- | 58 | -- | -- | -- | -- | -- | 0 | 0 | 37 | 152 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 52 |
| Total | -- | -- | 461 | -- | -- | -- | -- | 625 | -- | -- | -- | -- | -- | 692 | 55 | 642 | 2,475 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|--|----------------|----------------|--------|----------------|-----------------|--------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|--------|-----------------|----------|---------------|-------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | Dist. IV | | PAD Dist. V |
| | | | | | | | | | | | | | | | | | | |
| Naphtha-Type Jet Fuel | | | | | | | | | | | | | | | | | | |
| Refinery | 373 | 24 | 397 | 0 | 459 | 91 | 125 | 675 | 383 | 508 | 526 | 156 | 97 | 1,670 | 247 | 798 | 3,787 | |
| Bulk Terminal | -- | -- | 436 | -- | -- | -- | -- | 663 | -- | -- | -- | -- | -- | 78 | 14 | 447 | 1,638 | |
| Pipeline | -- | -- | 114 | -- | -- | -- | -- | 23 | -- | -- | -- | -- | -- | 548 | 56 | 294 | 1,035 | |
| Total | -- | -- | 947 | -- | -- | -- | -- | 1,361 | -- | -- | -- | -- | -- | 2,296 | 317 | 1,539 | 6,460 | |
| Kerosene-Type Jet Fuel | | | | | | | | | | | | | | | | | | |
| Refinery | 1,352 | 0 | 1,352 | 66 | 1,311 | 250 | 484 | 2,111 | 282 | 3,523 | 2,858 | 10 | 79 | 6,752 | 403 | 3,156 | 13,774 | |
| Bulk Terminal | -- | -- | 4,435 | -- | -- | -- | -- | 5,089 | -- | -- | -- | -- | -- | 2,190 | 200 | 1,860 | 13,774 | |
| Pipeline | -- | -- | 2,918 | -- | -- | -- | -- | 2,745 | -- | -- | -- | -- | -- | 4,173 | 164 | 554 | 10,554 | |
| Total | -- | -- | 8,705 | -- | -- | -- | -- | 9,945 | -- | -- | -- | -- | -- | 13,115 | 767 | 5,570 | 38,102 | |
| Kerosene | | | | | | | | | | | | | | | | | | |
| Refinery | 430 | 89 | 519 | 0 | 644 | 30 | 311 | 985 | 76 | 641 | 646 | 77 | 10 | 1,450 | 0 | 200 | 3,154 | |
| Bulk Terminal | -- | -- | 4,337 | -- | -- | -- | -- | 1,602 | -- | -- | -- | -- | -- | 816 | 24 | 38 | 6,817 | |
| Pipeline | -- | -- | 256 | -- | -- | -- | -- | 239 | -- | -- | -- | -- | -- | 768 | 0 | 0 | 1,263 | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | |
| Total | -- | -- | 5,112 | -- | -- | -- | -- | 2,826 | -- | -- | -- | -- | -- | 3,036 | 24 | 238 | 11,236 | |
| Distillate Fuel Oils | | | | | | | | | | | | | | | | | | |
| Refinery | 7,786 | 433 | 8,219 | 60 | 5,949 | 1,647 | 2,655 | 10,311 | 863 | 9,421 | 3,663 | 1,309 | 58 | 15,314 | 1,760 | 5,015 | 40,619 | |
| Bulk Terminal | -- | -- | 54,873 | -- | -- | -- | -- | 17,123 | -- | -- | -- | -- | -- | 5,919 | 783 | 4,807 | 83,505 | |
| Pipeline | -- | -- | 8,688 | -- | -- | -- | -- | 8,998 | -- | -- | -- | -- | -- | 8,691 | 696 | 1,160 | 28,233 | |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | |
| Total | -- | -- | 71,780 | -- | -- | -- | -- | 36,432 | -- | -- | -- | -- | -- | 29,925 | 3,239 | 10,982 | 152,358 | |
| Residual Fuel Oils | | | | | | | | | | | | | | | | | | |
| Refinery | 2,479 | 120 | 2,599 | 48 | 1,743 | 331 | 178 | 2,300 | 340 | 4,200 | 2,435 | 105 | 15 | 7,095 | 650 | 7,390 | 20,034 | |
| Bulk Terminal | -- | -- | 24,216 | -- | -- | -- | -- | 1,489 | -- | -- | -- | -- | -- | 3,083 | 0 | 1,802 | 30,590 | |
| Pipeline | -- | -- | 5 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 161 | 166 | |
| Total | -- | -- | 26,820 | -- | -- | -- | -- | 3,789 | -- | -- | -- | -- | -- | 10,178 | 650 | 9,353 | 50,790 | |
| Naphtha < 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | | |
| Refinery | 273 | 0 | 273 | 0 | 229 | 0 | 57 | 286 | 37 | 648 | 439 | 36 | 0 | 1,160 | 0 | 72 | 1,791 | |
| Total | 273 | 0 | 273 | 0 | 229 | 0 | 57 | 286 | 37 | 648 | 439 | 36 | 0 | 1,160 | 0 | 72 | 1,791 | |
| Other Oils > 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | | |
| Refinery | 4 | 0 | 4 | 0 | 24 | 0 | 0 | 24 | 196 | 1,087 | 169 | 0 | 0 | 1,452 | 6 | 94 | 1,580 | |
| Total | 4 | 0 | 4 | 0 | 24 | 0 | 0 | 24 | 196 | 1,087 | 169 | 0 | 0 | 1,452 | 6 | 94 | 1,580 | |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, October 31, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|-------------------------------------|----------------|----------------|---------|-----------------|-----------------|---------------------|-------------------|---------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|-------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | PAD Dist. V |
| | | | | | | | | | | | | | | | | | |
| Special Naphthas | | | | | | | | | | | | | | | | | |
| Refinery | 16 | 31 | 47 | 0 | 155 | 0 | 140 | 295 | 32 | 1,071 | 123 | 103 | 0 | 1,329 | 10 | 226 | 1,907 |
| Bulk Terminal | -- | -- | 526 | -- | -- | -- | -- | 127 | -- | -- | -- | -- | -- | 13 | 0 | 34 | 700 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 0 | 0 | 84 | 0 | 0 | 84 |
| Total | -- | -- | 573 | -- | -- | -- | -- | 422 | -- | -- | -- | -- | -- | 1,426 | 10 | 260 | 2,691 |
| Lubricants | | | | | | | | | | | | | | | | | |
| Refinery | 1,173 | 772 | 1,945 | 0 | 754 | 0 | 470 | 1,224 | 36 | 3,395 | 1,524 | 636 | 0 | 5,591 | 60 | 495 | 9,315 |
| Bulk Terminal | -- | -- | 1,102 | -- | -- | -- | -- | 809 | -- | -- | -- | -- | -- | 293 | 3 | 623 | 2,830 |
| Total | -- | -- | 3,047 | -- | -- | -- | -- | 2,033 | -- | -- | -- | -- | -- | 5,884 | 63 | 1,118 | 12,145 |
| Waxes | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 63 | 63 | 0 | 32 | 0 | 47 | 79 | 15 | 228 | 126 | 51 | 0 | 420 | 12 | 44 | 618 |
| Total | -- | -- | 63 | -- | -- | -- | -- | 79 | -- | -- | -- | -- | -- | 420 | 12 | 44 | 618 |
| Petroleum Coke | | | | | | | | | | | | | | | | | |
| Refinery | 900 | 0 | 900 | 0 | 370 | 326 | 98 | 794 | 1 | 389 | 987 | 205 | 0 | 1,582 | 181 | 1,684 | 5,141 |
| Total | 900 | 0 | 900 | 0 | 370 | 326 | 98 | 794 | 1 | 389 | 987 | 205 | 0 | 1,582 | 181 | 1,684 | 5,141 |
| Asphalt and Road Oil | | | | | | | | | | | | | | | | | |
| Refinery | 780 | 72 | 852 | 137 | 1,495 | 830 | 661 | 3,123 | 481 | 467 | 500 | 690 | 193 | 2,331 | 1,033 | 1,567 | 8,906 |
| Bulk Terminal | -- | -- | 1,625 | -- | -- | -- | -- | 1,786 | -- | -- | -- | -- | -- | 480 | 118 | 143 | 4,152 |
| Total | -- | -- | 2,477 | -- | -- | -- | -- | 4,909 | -- | -- | -- | -- | -- | 2,811 | 1,151 | 1,710 | 13,058 |
| Miscellaneous Products | | | | | | | | | | | | | | | | | |
| Refinery | 127 | 22 | 149 | 1 | 152 | 10 | 8 | 171 | 47 | 330 | 207 | 78 | 0 | 662 | 3 | 178 | 1,163 |
| Bulk Terminal | -- | -- | 65 | -- | -- | -- | -- | 34 | -- | -- | -- | -- | -- | 183 | 1 | 80 | 363 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 93 | -- | -- | -- | -- | -- | 267 | 0 | 24 | 384 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 11 | 0 | 0 | 2 | 0 | 13 | 0 | 0 | 16 |
| Total | -- | -- | 214 | -- | -- | -- | -- | 301 | -- | -- | -- | -- | -- | 1,125 | 4 | 282 | 1,926 |
| Total Stocks, All Oils | | | | | | | | | | | | | | | | | |
| | -- | -- | 219,161 | -- | -- | -- | -- | 257,436 | -- | -- | -- | -- | -- | 873,347 | 30,609 | 164,916 | 1,545,469 |

¹ Includes 33,879 thousand barrels of domestic crude oil.

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable.

Table 25. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, October 31, 1984
(Thousand Barrels)

| State | Leaded Motor Gasoline | Unleaded Motor Gasoline | Kerosene | Distillate Fuel Oil | Residual Fuel Oil |
|-------------------------------|-----------------------|-------------------------|--------------|---------------------|-------------------|
| PAD District I Total | 18,833 | 26,198 | 4,856 | 63,092 | 26,815 |
| Connecticut | 644 | 579 | 85 | 3,565 | 466 |
| Delaware, D.C., Maryland | 774 | 1,559 | 340 | 5,159 | 3,052 |
| Florida | 2,196 | 3,034 | 268 | 2,002 | 1,085 |
| Georgia | 1,371 | 1,636 | 115 | 1,315 | 478 |
| Maine | 329 | 641 | 76 | 1,671 | 457 |
| Massachusetts | 1,052 | 1,088 | 84 | 5,519 | 839 |
| New Hampshire, Vermont | 111 | 94 | w | 1,071 | 255 |
| New Jersey | 2,097 | 5,175 | 788 | 16,380 | 10,280 |
| New York | 3,207 | 2,950 | 661 | 9,536 | 4,448 |
| North Carolina | 1,400 | 1,524 | 701 | 2,154 | 626 |
| Pennsylvania | 2,772 | 4,090 | 1,017 | 7,431 | 2,624 |
| Rhode Island | 190 | 558 | w | 1,583 | 168 |
| South Carolina | 846 | 1,100 | 223 | 1,316 | 759 |
| Virginia | 1,642 | 1,999 | 388 | 4,179 | 1,237 |
| West Virginia | 202 | 171 | 30 | 211 | 41 |
| PAD District II Total | 20,272 | 21,562 | 2,587 | 27,434 | 3,789 |
| Illinois | 3,637 | 4,643 | 315 | 4,979 | 874 |
| Indiana | 2,608 | 2,956 | 574 | 4,336 | 597 |
| Iowa | 767 | 782 | w | 1,096 | w |
| Kansas | 1,412 | 1,306 | 23 | 1,821 | 64 |
| Kentucky | 943 | 1,134 | 293 | 1,296 | 266 |
| Michigan | 1,771 | 2,040 | 217 | 2,813 | 385 |
| Minnesota | 985 | 731 | w | 1,475 | 280 |
| Missouri | 793 | 660 | w | 732 | w |
| Nebraska | 462 | 214 | 0 | 286 | 0 |
| North & South Dakota | 342 | 357 | 0 | 804 | w |
| Ohio | 2,578 | 2,894 | 650 | 3,005 | 441 |
| Oklahoma | 1,373 | 1,295 | 284 | 1,688 | 253 |
| Tennessee | 1,194 | 1,300 | 139 | 1,140 | 190 |
| Wisconsin | 1,407 | 1,250 | w | 1,963 | 160 |
| PAD District III Total | 13,161 | 18,723 | 2,266 | 21,233 | 10,178 |
| Alabama | 883 | 957 | 103 | 946 | 525 |
| Arkansas | 200 | 285 | w | 212 | 29 |
| Louisiana | 1,575 | 3,150 | 652 | 3,783 | 3,291 |
| Mississippi | 1,090 | 1,232 | 19 | 1,806 | 600 |
| New Mexico | 277 | 229 | w | 136 | 15 |
| Texas | 9,136 | 12,870 | 1,478 | 14,350 | 5,718 |
| PAD District IV Total | 2,233 | 1,468 | 24 | 2,543 | 650 |
| Colorado | 565 | 533 | 0 | 425 | 210 |
| Idaho | 213 | 102 | 0 | 170 | 0 |
| Montana | 621 | 296 | w | 764 | 99 |
| Utah | 382 | 214 | 0 | 508 | 231 |
| Wyoming | 452 | 323 | w | 676 | 110 |
| PAD District V Total | 8,122 | 9,516 | 238 | 9,822 | 9,192 |
| Alaska | 390 | 226 | w | 1,186 | w |
| Arizona | 408 | 378 | w | 196 | 0 |
| California | 4,493 | 6,464 | 174 | 5,035 | 6,873 |
| Hawaii | 293 | 198 | 0 | 260 | w |
| Nevada | 145 | 247 | w | 136 | w |
| Oregon | 671 | 480 | w | 853 | 274 |
| Washington | 1,722 | 1,523 | w | 2,156 | 1,078 |
| United States Total | 62,621 | 77,467 | 9,971 | 124,124 | 50,624 |

w = Withheld to avoid disclosure of individual company data

| Commodity | From I to | | | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | |
|---------------------------------------|-----------|-----|-----|---|-------|------------|-------|----|--------|--------|-------------|-------|-----|-----|-----|------------|-----|-----|--------|--------|-----------|--|--|--|
| | II | | III | V | | I | III | IV | V | I | II | IV | V | II | III | V | I | II | III | IV | | | | |
| | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Crude Oil (Tanker and Barge only) | 8,986 | 146 | 0 | 0 | 3,332 | 10,196 | 2,410 | 54 | 89,534 | 38,802 | 0 | 1,682 | 951 | 0 | 0 | 0 | 758 | 0 | 17,573 | 0 | | | | |
| Petroleum Products | 0 | 0 | 0 | 0 | 0 | 956 | 0 | 0 | 0 | 1,519 | 0 | 0 | 103 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Pentanes Plus | 0 | 0 | 0 | 0 | 1,228 | 6,351 | 140 | 0 | 1,636 | 11,627 | 0 | 0 | 699 | 831 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 148 | 764 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 209 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Aviation Gasoline Blending Components | 5,837 | 0 | 0 | 0 | 1,314 | 2,001 | 1,409 | 0 | 50,040 | 15,517 | 0 | 840 | 531 | 0 | 719 | 0 | 0 | 0 | 0 | 0 | | | | |
| Finished Motor Gasoline | 2,844 | 0 | 0 | 0 | 458 | 958 | 705 | 0 | 17,282 | 7,153 | 0 | 404 | 339 | 0 | 447 | 0 | 0 | 0 | 0 | 0 | | | | |
| Finished Leaded Motor Gasoline | 2,993 | 0 | 0 | 0 | 856 | 1,043 | 704 | 0 | 32,758 | 8,364 | 0 | 436 | 192 | 0 | 272 | 0 | 0 | 0 | 0 | 0 | | | | |
| Finished Unleaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 231 | 167 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Finished Aviation Gasoline | 120 | 40 | 0 | 0 | 10 | 104 | 0 | 0 | 349 | 12 | 0 | 189 | 93 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | | | | |
| Naphtha-Type Jet Fuel | 275 | 0 | 0 | 0 | 108 | 24 | 667 | 0 | 9,859 | 3,424 | 0 | 137 | 5 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | | | | |
| Kerosene-Type Jet Fuel | 105 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 755 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Kerosene | 2,467 | 0 | 0 | 0 | 294 | 607 | 181 | 0 | 24,650 | 4,682 | 0 | 384 | 417 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | | | | |
| Distillate Fuel Oil | 0 | 3 | 0 | 0 | 117 | 97 | 0 | 0 | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Residual Fuel Oil | | | | | | | | | | | | | | | | | | | | | | | | |
| Naphtha and Other Oils for Petro. | 117 | 0 | 0 | 0 | 32 | 45 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Feedstock | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 370 | 169 | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Special Naphthas | 22 | 84 | 0 | 0 | 36 | 11 | 0 | 0 | 669 | 439 | 0 | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Lubricants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Waxes | 0 | 0 | 0 | 0 | 120 | 0 | 0 | 0 | 296 | 402 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Asphalt and Road Oil | 43 | 8 | 0 | 0 | 73 | 0 | 0 | 0 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| Miscellaneous Products | | | | | | | | | | | | | | | | | | | | | | | | |
| Total All Products | 8,986 | 166 | 0 | 0 | 3,332 | 10,196 | 2,410 | 54 | 89,735 | 38,802 | 0 | 1,682 | 951 | 0 | 758 | 0 | 916 | 758 | 0 | 17,573 | | | | |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 27. Movements of Petroleum Products by Pipeline between PAD Districts, October 1984
(Thousand Barrels)

| Commodity | From I to | | | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | |
|---------------------------------------|-----------|---|-----|-------|--------|------------|--------|--------|--------|-------|-------------|-----|---|-----|-----|------------|---|----|-----|----|-----------|----|-----|----|
| | II | | III | | V | I | III | IV | V | I | II | IV | V | II | III | V | I | II | III | IV | I | II | III | IV |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pentanes Plus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 4,558 | 0 | 0 | 1,042 | 2,001 | 1,409 | 0 | 37,480 | 14,573 | 0 | 840 | 531 | 0 | 719 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 2,297 | 0 | 0 | 340 | 958 | 705 | 0 | 12,789 | 6,722 | 0 | 404 | 339 | 0 | 447 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 2,261 | 0 | 0 | 702 | 1,043 | 704 | 0 | 24,691 | 7,851 | 0 | 436 | 192 | 0 | 272 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 12 | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 104 | 0 | 0 | 349 | 12 | 0 | 189 | 93 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 206 | 0 | 0 | 106 | 24 | 667 | 0 | 7,557 | 2,932 | 0 | 137 | 5 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 536 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 1,943 | 0 | 0 | 228 | 607 | 181 | 0 | 18,980 | 4,280 | 0 | 384 | 417 | 0 | 126 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 6,753 | 0 | 0 | 2,668 | 10,043 | 2,410 | 66,370 | 35,091 | 0 | 1,550 | 1,848 | 951 | 0 | 916 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 28. Movements of Crude Oil and Petroleum Products by Tanker and Barge between PAD Districts, October 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | | From V to | | |
|---|--------------|------------|----------|------------|------------|-----------|---------------|--------------|--------------|---------------|--------------|------------|-----------------|
| | II | III | V | I | III | V | I | New Eng | Cent Atl | Low Atl | II | I | III |
| Crude Oil | 0 | 20 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 201 | 0 | 758 | 0 17,573 |
| Petroleum Products | 2,233 | 146 | 0 | 664 | 153 | 54 | 23,164 | 3,276 | 4,482 | 15,406 | 3,711 | 132 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 88 | 764 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 | 209 | 80 | 0 | 0 |
| Finished Motor Gasoline | 1,279 | 0 | 0 | 272 | 0 | 0 | 12,560 | 649 | 1,752 | 10,159 | 944 | 0 | 0 |
| Finished Leaded Motor Gasoline | 547 | 0 | 0 | 118 | 0 | 0 | 4,493 | 87 | 114 | 4,292 | 431 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 732 | 0 | 0 | 154 | 0 | 0 | 8,067 | 562 | 1,638 | 5,867 | 513 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 219 | 44 | 70 | 105 | 19 | 0 | 0 |
| Naphtha-Type Jet Fuel | 120 | 40 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 69 | 0 | 0 | 2 | 0 | 0 | 2,302 | 571 | 125 | 1,606 | 492 | 0 | 0 |
| Kerosene | 59 | 0 | 0 | 0 | 0 | 0 | 219 | 0 | 137 | 82 | 0 | 0 | 0 |
| Distillate Fuel Oil | 524 | 0 | 0 | 66 | 0 | 0 | 5,670 | 1,913 | 1,475 | 2,282 | 402 | 0 | 0 |
| Residual Fuel Oil | 117 | 0 | 3 | 117 | 97 | 0 | 199 | 0 | 6 | 193 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. Feed. Use | 0 | 0 | 0 | 32 | 45 | 0 | 46 | 0 | 0 | 46 | 0 | 0 | 0 |
| Special Naphthas | 0 | 11 | 0 | 0 | 0 | 0 | 370 | 26 | 201 | 143 | 169 | 40 | 0 |
| Lubricants | 22 | 84 | 0 | 36 | 11 | 0 | 669 | 0 | 491 | 178 | 439 | 92 | 0 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 0 | 0 | 120 | 0 | 0 | 296 | 73 | 88 | 135 | 402 | 0 | 0 |
| Miscellaneous Products | 43 | 8 | 0 | 9 | 0 | 0 | 74 | 0 | 74 | 0 | 0 | 0 | 0 |
| Total | 2,233 | 166 | 0 | 664 | 153 | 54 | 23,365 | 3,276 | 4,683 | 15,406 | 3,711 | 132 | 0 17,573 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 29. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker and Barge between PAD Districts, October 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | PAD District III | | | PAD District IV | | | PAD District V | | |
|--|----------------------|-----------------------|---------------------|-----------------------|------------------------|----------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|----------------------|----------------------|-----------------------|---------------------|
| | Receipts into PADD I | Shipments from PADD I | Net Receipts PADD I | Receipts into PADD II | Shipments from PADD II | Net Receipts PADD II | Receipts into PADD III | Shipments from PADD III | Net Receipts PADD III | Receipts into PADD IV | Shipments from PADD IV | Net Receipts PADD IV | Receipts into PADD V | Shipments from PADD V | Net Receipts PADD V |
| Crude Oil (Tanker and Barge only) | 959 | 20 | 939 | 0 | 0 | 0 | 17,593 | 201 | 17,392 | 0 | 0 | 0 | 0 | 18,331 | -18,331 |
| Petroleum Products | 92,866 | 9,132 | 83,734 | 49,636 | 15,992 | 33,644 | 11,293 | 130,018 | -118,725 | 2,410 | 3,715 | -1,305 | 2,652 | 0 | 2,652 |
| Pentanes Plus | 0 | 0 | 0 | 1,622 | 956 | 666 | 1,076 | 1,519 | -443 | 0 | 223 | -223 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 2,864 | 0 | 2,864 | 12,326 | 7,719 | 4,607 | 7,182 | 13,263 | -6,081 | 140 | 1,530 | -1,390 | 0 | 0 | 0 |
| Unfinished Oils | 148 | 0 | 148 | 764 | 54 | 710 | 0 | 912 | -912 | 0 | 0 | 0 | 54 | 0 | 54 |
| Motor Gasoline Blending Components | 209 | 0 | 209 | 80 | 0 | 80 | 0 | 289 | -289 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 51,354 | 5,837 | 45,517 | 21,885 | 4,724 | 17,161 | 2,001 | 66,397 | -64,396 | 1,409 | 1,250 | 159 | 1,559 | 0 | 1,559 |
| Finished Leaded Motor Gasoline | 17,740 | 2,844 | 14,896 | 10,336 | 2,121 | 8,215 | 958 | 24,839 | -23,881 | 705 | 786 | -81 | 851 | 0 | 851 |
| Finished Unleaded Motor Gasoline | 33,614 | 2,993 | 30,621 | 11,549 | 2,603 | 8,946 | 1,043 | 41,558 | -40,515 | 704 | 464 | 240 | 708 | 0 | 708 |
| Finished Aviation Gasoline | 231 | 0 | 231 | 167 | 13 | 154 | 0 | 398 | -398 | 13 | 0 | 13 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 359 | 180 | 199 | 225 | 114 | 111 | 144 | 550 | -406 | 0 | 114 | -114 | 210 | 0 | 210 |
| Kerosene-Type Jet Fuel | 9,967 | 275 | 9,692 | 3,704 | 799 | 2,905 | 24 | 13,420 | -13,396 | 667 | 55 | 612 | 187 | 0 | 187 |
| Kerosene | 755 | 105 | 650 | 105 | 0 | 105 | 0 | 755 | -755 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 24,944 | 2,467 | 22,477 | 7,566 | 1,082 | 6,484 | 607 | 29,716 | -29,109 | 181 | 543 | -362 | 510 | 0 | 510 |
| Residual Fuel Oil | 316 | 3 | 313 | 0 | 214 | -214 | 100 | 199 | -99 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. | 78 | 117 | -39 | 117 | 77 | 40 | 45 | 46 | -1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feedstock Use | 370 | 11 | 359 | 169 | 0 | 169 | 11 | 579 | -568 | 0 | 0 | 0 | 40 | 0 | 40 |
| Special Naphthas | 705 | 106 | 599 | 461 | 47 | 414 | 95 | 1,200 | -1,105 | 0 | 0 | 0 | 92 | 0 | 92 |
| Lubricants | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | -3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Waxes | 416 | 0 | 416 | 402 | 120 | 282 | 0 | 698 | -698 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 147 | 51 | 96 | 43 | 73 | -30 | 8 | 74 | -66 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | | | | | | | | | | | | | | | |
| Total All Products | 93,825 | 9,152 | 84,673 | 49,636 | 15,992 | 33,644 | 28,886 | 130,219 | -101,333 | 2,410 | 3,715 | -1,305 | 2,652 | 18,331 | -15,679 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 30. Production of Residual Fuel Oil by Sulfur Content, October 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | | |
|---------------------------------|----------------|----------------|-------|-----------------|-----------------|---------------------|------------------|------------------|--------------|------------------|----------------|-----------------|------------|---------------|-------|--------------------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | | Total | Dist. IV Rocky Mt. | Dist. V West Coast |
| Residual Fuel Oil | 3,409 | 139 | 3,548 | 73 | 1,475 | 247 | 285 | 2,080 | 788 | 6,585 | 3,383 | 260 | 9 | 11,025 | 406 | 11,206 | 28,265 |
| 0.00 to 0.30% Sulfur | 642 | 15 | 657 | 0 | 112 | 0 | 0 | 112 | 13 | 268 | 481 | 98 | 6 | 866 | 80 | 323 | 2,038 |
| 0.31 to 1.00% Sulfur | 2,184 | 5 | 2,189 | 50 | 294 | 0 | 134 | 478 | 561 | 905 | 1,658 | 131 | 0 | 3,255 | 81 | 2,839 | 8,842 |
| Greater Than 1.00% Sulfur | 583 | 119 | 702 | 23 | 1,069 | 247 | 151 | 1,490 | 214 | 5,412 | 1,244 | 31 | 3 | 6,904 | 245 | 8,044 | 17,385 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 31. Stocks of Residual Fuel Oil by Sulfur Content, October 1984
(Thousand Barrels)

| Commodity | PAD District I | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | | |
|--|----------------|----------------|-----------------|----------------|-----------------|---------------------|------------------|-------|--------------|------------------|-----------------|---------------|---------------|------------|-------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | | New Mexico | Total | Dist. IV Rocky Mt. |
| Residual Fuel Oil -- 0.00 to 0.30% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 476 | 17 | 493 | 0 | 102 | 4 | 0 | 106 | 40 | 118 | 311 | 16 | 11 | 496 | 123 | 322 |
| Bulk Terminal | -- | -- | 5,486 | -- | -- | -- | -- | 175 | -- | -- | -- | -- | -- | 0 | 0 | 0 |
| Total | -- | -- | 5,979 | -- | -- | -- | -- | 281 | -- | -- | -- | -- | -- | 496 | 123 | 322 |
| Residual Fuel Oil -- 0.31 to 1.00% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 1,098 | 6 | 1,104 | 45 | 513 | 0 | 123 | 681 | 130 | 1,006 | 1,161 | 43 | 0 | 2,340 | 124 | 1,926 |
| Bulk Terminal | -- | -- | 9,373 | -- | -- | -- | -- | 384 | -- | -- | -- | -- | -- | 1,448 | 0 | 359 |
| Total | -- | -- | 10,477 | -- | -- | -- | -- | 1,065 | -- | -- | -- | -- | -- | 3,788 | 124 | 2,285 |
| Residual Fuel Oil -- Greater than 1.00% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 905 | 97 | 1,002 | 3 | 1,128 | 327 | 55 | 1,513 | 170 | 3,076 | 963 | 46 | 4 | 4,259 | 403 | 5,142 |
| Bulk Terminal | -- | -- | 9,357 | -- | -- | -- | -- | 930 | -- | -- | -- | -- | -- | 1,635 | 0 | 1,443 |
| Total | -- | -- | 10,359 | -- | -- | -- | -- | 2,443 | -- | -- | -- | -- | -- | 5,894 | 403 | 6,585 |
| | | | | | | | | | | | | | | | | 25,684 |

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable

Table 32. Movements of Residual Fuel Oil by Tanker and Barge between PAD Districts, by Sulfur Content, October 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | | From V to | | |
|---------------------------------|-----------|-----|---|------------|-----|---|-------------|----------|---------|-----|-----------|----|-----|
| | II | III | V | I | III | V | New Eng | Cent Atl | Low Atl | II | I | II | III |
| Residual Fuel Oil | 0 | 3 | 0 | 117 | 97 | 0 | 199 | 0 | 6 | 193 | 0 | 0 | 0 |
| 0.00 to 0.30% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 0 | 0 |
| Greater Than 1.00% Sulfur | 0 | 3 | 0 | 117 | 97 | 0 | 193 | 0 | 0 | 193 | 0 | 0 | 0 |

| Country | Residual Fuel Oil | | | |
|----------------------------------|-------------------|------------------|-----------------------|-------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | Total |
| Arab OPEC | | | | |
| Algeria | 688 | 352 | 0 | 1,040 |
| Iraq | 0 | 0 | 0 | 0 |
| Kuwait | 0 | 0 | 0 | 0 |
| Libya | 0 | 0 | 0 | 0 |
| Qatar | 0 | 0 | 0 | 0 |
| Saudi Arabia | 0 | 0 | 0 | 0 |
| United Arab Emirates | 0 | 0 | 0 | 0 |
| Subtotal Arab OPEC | 688 | 352 | 0 | 1,040 |
| Other OPEC | | | | |
| Ecuador | 179 | 0 | 0 | 179 |
| Gabon | 0 | 0 | 0 | 0 |
| Indonesia | 420 | 0 | 60 | 479 |
| Iran | 0 | 0 | 0 | 0 |
| Nigeria | 329 | 0 | 0 | 329 |
| Venezuela | 348 | 348 | 1,807 | 2,503 |
| Subtotal Other OPEC | 1,277 | 348 | 1,867 | 3,491 |
| Other | | | | |
| Angola | 356 | 0 | 0 | 356 |
| Australia | 0 | 0 | 11 | 11 |
| Bahamas | 546 | 104 | 0 | 650 |
| Bolivia | 0 | 0 | 0 | 0 |
| Brazil | 604 | 249 | 0 | 853 |
| Brunei | 0 | 0 | 0 | 0 |
| Canada | 169 | 146 | 421 | 736 |
| Congo | 184 | 0 | 0 | 184 |
| Egypt | 0 | 0 | 0 | 0 |
| France | 0 | 0 | 0 | 0 |
| Ghana | 0 | 0 | 0 | 0 |
| Liberia | 0 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 |
| Mexico | 330 | 0 | 0 | 337 |
| Netherlands | 0 | 0 | 7 | 7 |
| Netherlands Antilles | 598 | 0 | 1,953 | 2,551 |
| Norway | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 0 | 0 |
| Peru | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 |
| Romania | 0 | 0 | 0 | 0 |
| Spain | 0 | 0 | 0 | 0 |
| Syria | 0 | 0 | 0 | 0 |
| Trinidad | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 |
| United Kingdom | 0 | 0 | 0 | 0 |
| Virgin Islands | 1,285 | 1,765 | 824 | 3,873 |
| Yugoslavia | 0 | 0 | 0 | 0 |
| Zaire | 0 | 0 | 0 | 0 |

See footnotes at end of table.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, October 1984
(Thousand Barrels) (continued)

| Country | Residual Fuel Oil | | | |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | Total |
| Other | | | | |
| Other Western Hemisphere | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 3 | 29 | 169 | 201 |
| Subtotal Other | 4,074 | 2,293 | 3,384 | 9,751 |
| Total Imports | 6,038 | 2,993 | 5,251 | 14,282 |

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 34. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, October 1984
(Thousand Barrels)

| State | Residual Fuel Oil | | | |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | Total |
| PAD District I | 4,775 | 2,610 | 4,953 | 12,338 |
| Connecticut | 93 | 0 | 0 | 93 |
| Delaware | 89 | 0 | 0 | 89 |
| Florida | 0 | 274 | 597 | 871 |
| Maine | 3 | 0 | 861 | 864 |
| Maryland | 91 | 0 | 0 | 91 |
| Massachusetts | 492 | 249 | 431 | 1,172 |
| New Hampshire | 0 | 0 | 74 | 74 |
| New Jersey | 713 | 799 | 467 | 1,979 |
| New York | 3,232 | 926 | 1,468 | 5,626 |
| North Carolina | 0 | 0 | 220 | 220 |
| South Carolina | 0 | 44 | 368 | 412 |
| Vermont | 13 | 0 | (s) | 13 |
| Virginia | 49 | 318 | 467 | 834 |
| PAD District II | 1 | 0 | 48 | 49 |
| Michigan | 0 | 0 | 15 | 15 |
| Minnesota | 0 | 0 | 16 | 16 |
| North Dakota | 1 | 0 | 4 | 5 |
| Ohio | 0 | 0 | 14 | 14 |
| PAD District III | 1,259 | 348 | 0 | 1,607 |
| Louisiana | 565 | 0 | 0 | 565 |
| Texas | 694 | 348 | 0 | 1,042 |
| PAD District IV | 3 | 0 | 4 | 7 |
| Montana | 3 | 0 | 4 | 7 |
| PAD District V | (s) | 35 | 246 | 281 |
| California | 0 | 0 | 7 | 7 |
| Hawaii | (s) | 29 | 239 | 268 |
| Washington | 0 | 6 | 0 | 6 |
| All PAD Districts | 6,038 | 2,993 | 5,251 | 14,282 |

Glossary



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Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}-(\text{CH})_n-\text{OH}$. Alcohol includes methanol and ethanol.

Alkylation. A refinery process for chemically combining isoparaffin with olefin hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr } 60\text{F}/60\text{F}} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene.

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation gasoline.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt and wax to barrels are given in the definitions for these products.

Barrels Per Calendar Day. See *Operable Capacity*.

Barrels Per Stream Day. See *Operable Capacity*.

Bi-Metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g. platinum, rhenium).

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon. (C_4H_{10}). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C_4H_8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil.

Catalytic Hydrocracking. A refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. naphthas, reformer feeds and heavy gas oils) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the conversion of low-octane gasoline fractions into higher octane stocks suitable for blending into finished gasoline; also the conversion of naphthas to obtain a more volatile product of higher octane number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g. platinum, alumina).

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. In-

cludes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite and oil shale. Drip gases are also included, but topped crude oil (residual) oil and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process to produce low Conradson carbon gas oil for catalytic cracking feedstock and for gasoline.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F. at the 10-percent point and 550 degrees F. at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a boiling range between 300-575 degrees F. and used in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees F. for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C₂H₆). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinic hydrocarbon, (C₂H₄), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Fluid Coking. A thermal process utilizing the fluidized solids technique for continuous conversion of heavy low-grade oils into lighter products.

Gasohol. See **Motor Gasoline (Finished).**

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillate-type fuel oils and diesel fuel, also cracked to produce gasoline.

Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation or motor gasoline.

Idle Capacity. The component of operable capacity that is not in operation and not under active repairs, but capable of being placed in operation within 30 days and capacity not in operation but under active repairs that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported

crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See **Butane**.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alkylolation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that boils at a temperature between 300-550 degrees F., that has a flash point higher than 100 degrees F. by ASTM Method D56, that has a gravity range from 40-46 degrees API, and that has a burning point in the range of 150-175 degrees F. Included are the two classifications recognized by ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees F. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 percent distillation temperature of 400 degrees F. It is covered by ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and nonassociated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liquefied Petroleum Gases (LPG). Ethane, Ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/ or refrigeration they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas used for chemical or rubber manufacture which is reported as a petrochemical feedstock and also excludes liquefied petroleum gases intended for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstock or other uses.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrofining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a boiling range of 122-158 degrees F. at the 10-percent point to 365-374 degrees F. at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. The actual lead content of any given gallon, however, may vary as a function of the size of the producer and company according to specific Environmental Protection Agency waiver provisions. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blend stock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specification of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: Ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e. products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C₅H₁₂), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See *Butane*.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation, and not under active repairs but capable of being placed in operation within 30 days; or not in operation but under active repairs that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed in an atmos-

pheric distillation facility during a twenty-four hour period after making allowances for the following limitations:

The capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation.

The types and grades of inputs to be processed.

The types and grades of products expected to be manufactured.

The environmental constraints associated with refinery operations.

The reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs and turnaround.

The reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline and plant condensate.

Petrochemical Feedstock Use. Chemical feedstock derived from petroleum, principally for the manufacture of chemicals, synthetic rubber and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F. end-point" and "Other oils over 400 degrees F. end-point."

Naphtha-Less Than 400 Degrees F. End-Point. Naphtha with an end point of less than 400 degrees F. that is intended for use as a petrochemical feedstock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as a relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.

Catalyst Coke. In many catalytic operations (i.e., catalytic cracking) carbon is deposited on the catalyst thus, deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refinery process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400 F. end-point, other oils over 400 F. end-point, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Petroleum Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in transit from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks excludes stocks of foreign origin that are held in bonded warehouse storage.

Propane. A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D1835.

Propylene. An olefinic hydrocarbon, (C₃H₆), recovered from refinery processes or petrochemical processes.

Residual Fuel Oil. The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Special Naphthas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees F. "Special naphthas" includes all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Petrochemical Feedstock Use. Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, less the amount of such streams returned to the source refinery. Finished petrochemical products are not included. For example, polyethylene, butadiene, etc. are considered petrochemical products; therefore, only their feedstock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series pre-

dominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42-U.S. gallon barrel.

Microcrystalline Wax. Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics:

Penetration at 77 degrees F. (D1321)-60 maximum. Viscosity at 210 degrees F. in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.1 centistokes) maximum. Oil Content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.1 centistokes) maximum. Oil Content (D721)-0.5 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and adjacent islands.

Bureau of Mines Petroleum Refining Districts and PAD Districts

The following are the Bureau of Mines petroleum refining districts which make up the PAD districts:

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalachian #2: The following counties of the State of Ohio: Erie, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ross, Pike, Scioto, and all counties east thereof.

Indiana—Illinois—Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and that part of the State of Ohio not included in the Appalachian District.

Minnesota—Wisconsin—North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma—Kansas—Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana—Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

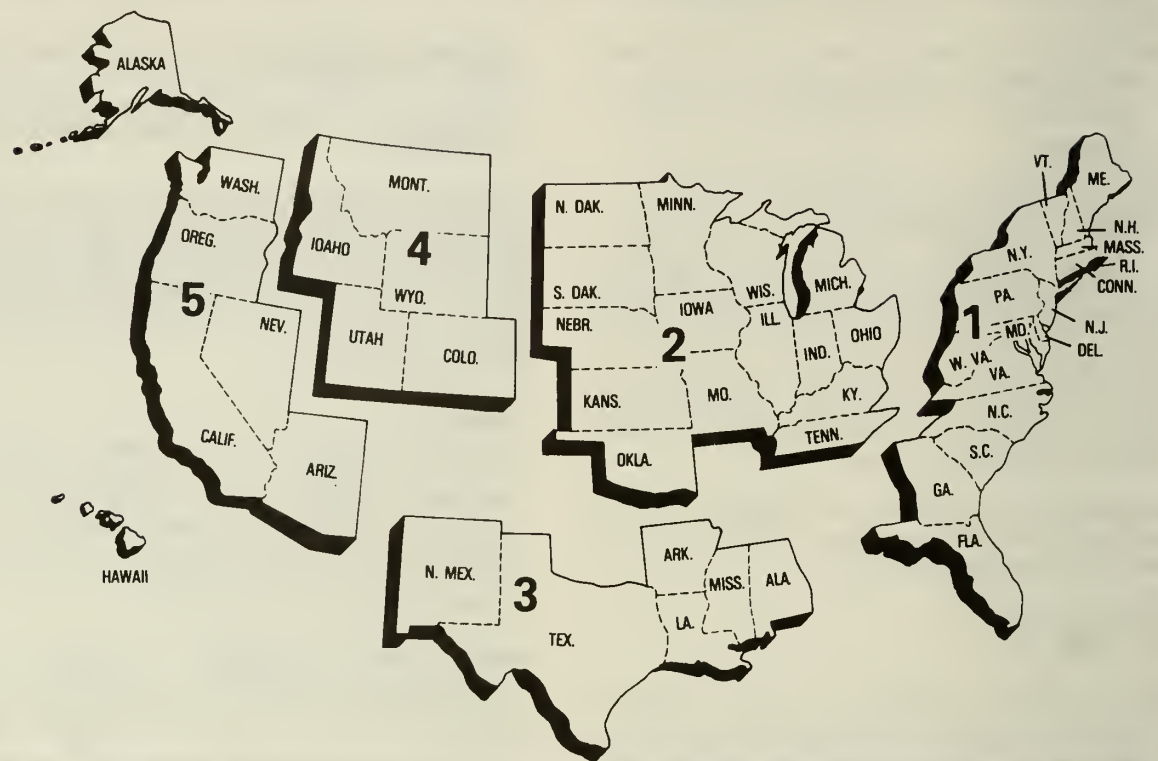
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

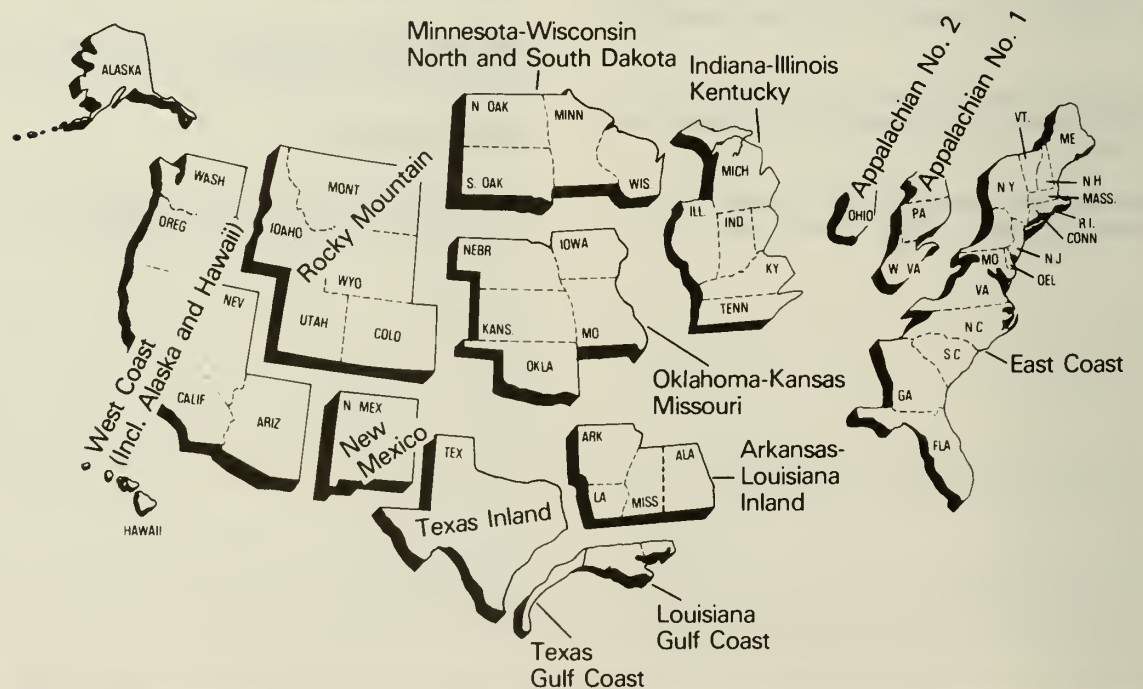
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Bureau of Mines Refining Districts

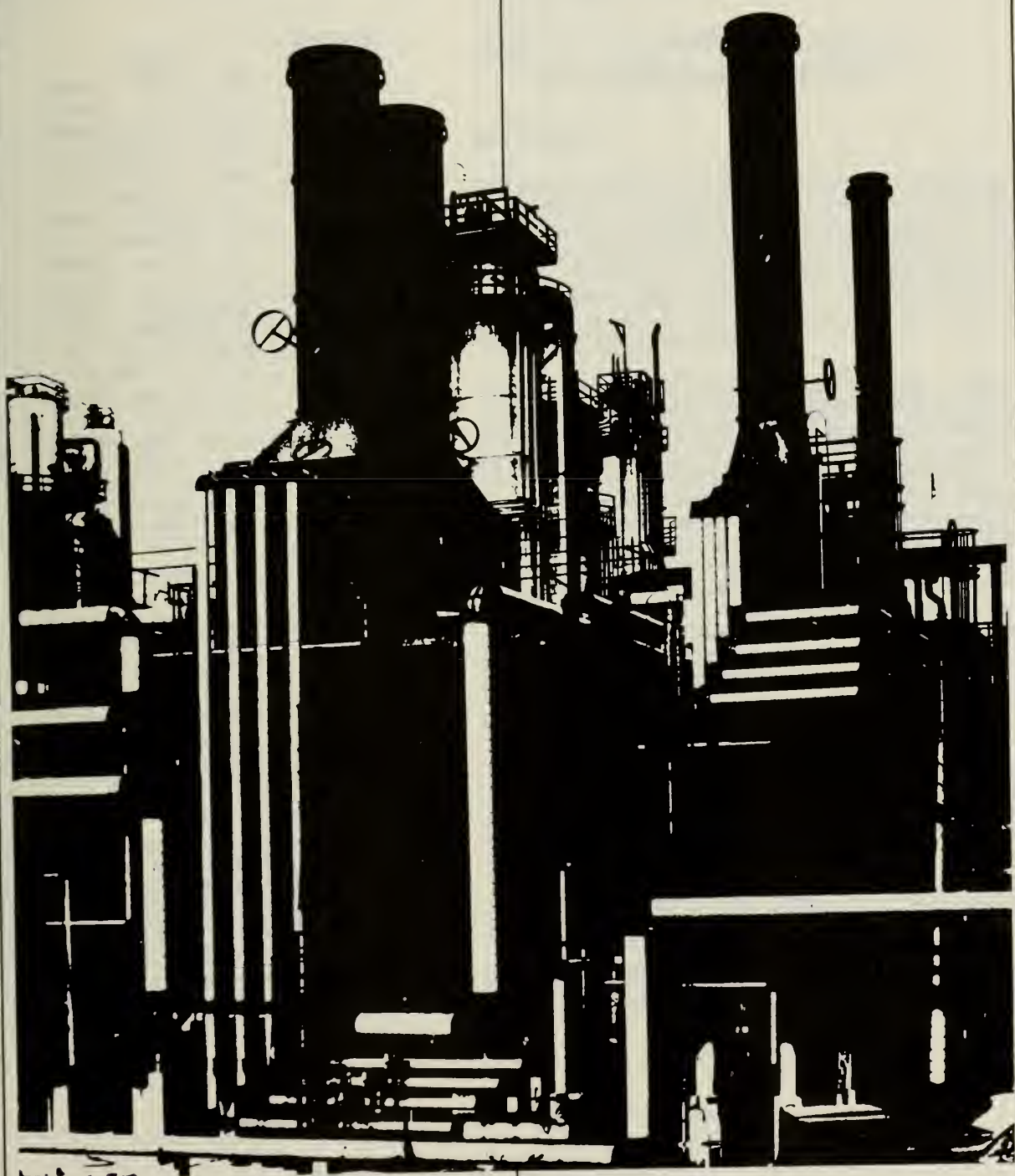


District Map Oil and Gas Division Railroad Commission of Texas



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Explanatory Notes



Explanatory Notes

Note 1: Data Collection Methodology

Background

Beginning in January 1983, the Energy Information Administration (EIA) unified its petroleum supply data collection activities into the Petroleum Supply Reporting System (PSRS). The PSRS represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The primary focus of the consolidation has been to revise the weekly and monthly survey reporting forms to assure consistency in form layout, preparation instructions, and definitions. As a result, a new set of survey forms were implemented in January 1983. The following are the new form numbers and their corresponding predecessor forms:

| New Form Number | Name | Old Form Number |
|-----------------|--|-----------------|
| EIA-800 | Weekly Refinery Report | EIA-161 |
| EIA-801 | Weekly Bulk Terminal Report | EIA-162 |
| EIA-802 | Weekly Product Pipeline Report | EIA-163 |
| EIA-803 | Weekly Crude Oil Stocks Report | EIA-164 |
| EIA-804 | Weekly Imports Report | EIA-165 |
| EIA-805 | Weekly Shipments from Puerto Rico to the United States Report | — |
| EIA-810 | Monthly Refinery Report | EIA-87 |
| EIA-811 | Monthly Bulk Terminal Report | EIA-88 |
| EIA-812 | Monthly Product Pipeline Report | EIA-89 |
| EIA-813 | Monthly Crude Oil Report | EIA-90 |
| ERA-60 | Monthly Imports Report | ERA-60 |
| EIA-815 | Monthly Shipments from Puerto Rico to the United States Report | FEA-P133-M-0 |
| EIA-816 | Monthly Natural Gas Liquids Report | EIA-64 |
| EIA-817 | Monthly Tanker and Barge Movement Report | EIA-170 |

Forms EIA-800 through 805 comprise the Weekly Petroleum Supply Reporting System (WPSRS). This system is designed to collect basic refinery operations and product stock data for major products on a weekly basis. Data from the WPSRS are published in the *Weekly Petroleum Status Report (WPSR)* and are also used to calculate the preliminary statistics in the "Summary Statistics" section of the *Petroleum Supply Monthly*

(PSM). A description of the WPSRS survey forms follows in Note 1.1.

Forms EIA-810-813, 815-817 and ERA-60 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery operations data, refinery, bulk terminal and pipeline stocks data, crude oil and petroleum product imports data and movements of petroleum products and crude oil between PAD Districts data. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the PSM. A description of MPSRS survey forms follows in Note 1.2.

Data are also obtained in magnetic tape form from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSM. A description of the Census data follows in Note 1.3.

Note 1.1: Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first began publishing weekly petroleum supply statistics in April 1979 in response to the Iranian oil crisis. Initially, the published data were taken from the American Petroleum Institute (API) *Weekly Statistical Bulletin*. However, in January 1980 the EIA began to publish weekly statistics from its own surveys, with the exception of imports statistics which the EIA did not begin collecting until June 1980.

The weekly surveys collect data comparable to those collected on a monthly basis. Selected petroleum companies report weekly data to the EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports each shipment entering the United States. On Form EIA-805, a company shipping unfinished oils and finished petroleum products into the United States from Puerto Rico reports each shipment. Current weekly data and the most recent monthly data are used to estimate the totals that are published in the *Weekly Petroleum Status Report*.

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-800: Based on the EIA-810 universe, which includes all petroleum refineries in the United States and

its territories, industrial facilities that have crude oil distillation capacity and produce some refined petroleum products, and plants that produce finished motor gasoline through mechanical blending. The selected sample size is 215.

EIA-801: Based on the EIA-811 universe, which includes all bulk terminal facilities in the United States and its territories that have either a total bulk storage capacity of 50,000 barrels or more, or that receive petroleum products by tanker, barge, or pipeline. The selected sample size is 93.

EIA-802: Based on the EIA-812 universe, which includes all petroleum product pipeline companies in the United States and its territories that transport refined petroleum products, including interstate, intrastate and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-802 frame. Only those pipeline companies that transport products covered in the weekly survey are included. The selected sample size is 65.

EIA-803: Based on the EIA-813 universe, which consists of all companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-804: Based on the ERA-60 universe, which includes all importers of record of crude oil and petroleum products into the United States and Puerto Rico. The selected sample size is 65.

EIA-805: Based on the EIA-815 universe, which includes all shippers of unfinished oils and petroleum products into the United States from Puerto Rico. Four companies report.

Sampling Method

The cut-off method is the sampling procedure used for all weekly surveys except the EIA-802, which uses the monthly universe in its entirety. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous 12-month period. Companies are chosen for the sampling, beginning with the largest and adding companies until the total sample covers 90 percent of the total for the previous time period for each product published in the *Weekly Petroleum Status Report*.

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period closes each Friday at 7 a.m. All canvassed firms and terminal operations companies must file by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M_t) is divided by the amount reported by the sample of companies for the most recent month (M_s). The result is multiplied by the amount reported by the sample of companies for the current week (W_s). The answer, W_t , is an estimate of the amount that would have been reported by all companies for the current week if all companies reported each week.

$$W_t = \frac{M_t}{M_s} (W_s)$$

This procedure is used to estimate total weekly input to refineries and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-by-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of weekly imports is the sum of the smoothed ratio multiplied by the weekly values and estimates for shipments from Puerto Rico. Imports of other oils includes an adjustment from Census data for unlicensed products because of coverage differences between the monthly imports data and Census data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 95 and 98 percent.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems

were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movements of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and plants that produce finished motor gasoline through the mechanical blending of liquids which are operated or controlled in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, the Hawaiian Foreign Trade Zone, and Guam. Approximately 313 respondents report on the EIA-810.

EIA-811: All bulk terminal facilities in the 50 States and the District of Columbia, Puerto Rico, and the Virgin Islands that (a) have a total bulk storage capacity of 50,000 barrels or more and/or (b) receive petroleum products by tanker, barge, or pipeline, regardless of ownership of the material. Approximately 328 respondents report on the EIA-811.

EIA-812: All products pipeline companies that carry petroleum products (including interstate, intrastate and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 94 respondents report on the EIA-812.

EIA-813: All companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-815: All licensed importers and importers of record shipping petroleum products from Puerto Rico into the 50 States and the District of Columbia.

Import data from the ERA-60 and EIA-815 are integrated into the import statistics reported in the PSM.

EIA-816: All operators of facilities designed to extract liquid hydrocarbons from natural gas stream (natural gas processing plants) or to separate a hydrocarbon stream into its component products, i.e., propane, butane, natural gasoline, etc. (fractionators). Approximately 990 respondents report on the EIA-816.

EIA-817: All known companies and plants that have custody of crude oil and petroleum products transported by tanker and barge between PAD Districts or between PAD Districts and the Panama Canal. There are about 50 respondents.

ERA-60: All licensed importers and importers of record importing crude oil and petroleum products into the

United States and Puerto Rico. The respondent universe consisted of approximately 1,100 firms as of July 31, 1982. However, only a selected 250 importers must report each month regardless of import activity. All others must report only for a month in which they actually had imports. The respondent universe for this survey is updated whenever an import license is granted by the Office of Oil Imports of the ERA.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *LP Gas Almanac* for information on facilities or companies going into operation or closing down. These are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Periodically an extensive survey study is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th day following the end of the report month, with the exception of the EIA-815 and ERA-60 which are due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline, for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed only for nonresponding companies that submitted reports the previous month. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. In the event that the previous month's data were estimated, the respondent is contacted and requested to submit estimates, if necessary, to be followed by submission of actual data. Data for nonrespondents on the EIA-815 and 817, and ERA-60 are not imputed.

Response Rates

As of the filing deadline, the response rates of the EIA-810 through EIA-813 respondents is over 90 per-

cent. The response rate for the EIA-816 is over 85 percent and for the EIA-817 it is 98 percent. All companies that have not responded are contacted by telephone. Although data are taken by telephone to expedite processing, a certified submission is still required. Names of companies that fail to file for 2 consecutive months are forwarded for further noncompliance action.

In July 1983, the ERA-60 survey had a response rate of 99.9 percent by the filing deadline. The universe was 1,100 firms at that time. (Because this is a dynamic survey, the universe is constantly changing.) Standard follow-up of nonrespondents is made to insure that all reports are received, since data are not imputed for nonrespondents. In addition, response is cross-checked with response on the Petroleum Licensing Decrementation System (PLDS), a listing of each month's importers. The response rate is generally 98 to 99 percent by the time the data are first published.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data provide the only source of export statistics and are used to augment the import data collected by the EIA. Export statistics and import data from the Census tapes on liquefied petroleum gases and bonded ship bunkers are published in the *PSM*.

Import Statistics (IM-145)

Coverage

The import statistics reflect both government and non-government imports of merchandise from foreign countries into the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico), without regard to whether or not a commercial transaction is involved. In general, the statistics record the physical movement of merchandise into the United States from foreign countries, with the exception of the following types of transactions that are excluded from the statistics:

1. Merchandise in-transit through the United States, when documented with Customs as an in-transit movement.
2. Shipments from anywhere to U.S. possessions and shipments from U.S. possessions to the United States. (U.S. possessions include Puerto Rico, the Virgin Islands, Guam, and American Samoa.)
3. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Imported petroleum is reported as *Imports for Consumption*. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. With certain exceptions as indicated above, these data generally reflect the total of commodities entered into U.S. consumption channels.

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Coverage

The export statistics reflect both government and non-government exports of domestic and foreign merchandise from the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico) to foreign countries, without regard to whether or not the exportation involves a commercial transaction. In general, the statistics record the physical movement of merchandise out of the United States to foreign countries, with the exception of the following types of transactions:

1. All shipments from U.S. possessions, regardless of whether the shipments are sent to the United States, to other U.S. possessions, or to foreign countries.
2. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
3. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census primarily from copies of Shipper's Export Declarations. Exporters are required to file Shipper's Export Declarations with Customs officials. The only exceptions are those exporters who have been authorized to submit data directly to the Bureau of Census on magnetic tape, punched cards, or monthly Shipper's Summary Export Declarations.

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. For survey description and other detail, see Explanatory Note 1.2.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

Imports of crude oil and petroleum products are reported monthly on Form ERA-60, *Report of Oil Imports into the United States and Puerto Rico*, and Form EIA-815, *Shipments of Refined Products (Including Unfinished Oils) from Puerto Rico to the United States*. In addition, the Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. The most prominent difference between the EIA and Census systems appears in imports of liquefied petroleum

gases (LPG), where the Census data show a much higher level of imports than EIA data. This occurs because the ERA-60 respondent frame was built by monitoring importers of licensed products and LPGs are not licensed products. Therefore, respondents that import only LPGs have not been identified, and do not report these imports to the Department of Energy. Since these importers are required to file form 7501 with the U.S. Customs Service, EIA obtains data on imports of LPGs from Census Tabulation IM-145. Additional data taken from the IM-145 are relatively small quantities of naphtha- and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the ERA-60 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the month from stocks at the beginning of the same month. (Note: The beginning stocks of one month are equal to the ending stocks of the previous month.) A positive result (+) would represent a withdrawal from stocks and an increase in petroleum supplies distributed for domestic consumption. A negative result (-) would represent a buildup of stocks and a reduction in the amount of petroleum supplies distributed for domestic consumption. For a description of survey forms used to make stock withdrawal or addition calculations see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition.

Crude oil supply is the sum of field production, imports and stock withdrawals or additions. Crude oil disposition is the sum of exports, refinery input, losses and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supplies from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by each of the State conservation agencies, which collect crude oil production values for tax purposes. The U.S. Geological Survey reports the volume of crude oil that is produced offshore in Federally-owned waters. With the exception of ten State conservation agencies, all of these reports are received monthly. After each calendar year, these monthly numbers are updated using the annual reports

from the State conservation agencies and the U.S. Geological Survey. The ten States that do not report monthly values are Indiana, Kentucky, Missouri, Arkansas, Utah, New York, Ohio, Pennsylvania, West Virginia, and Wyoming. Monthly values are estimated for these States using the individual linear trends of their historical annual crude oil production values.

There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information on crude oil production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the EIA's Dallas Field Office prepares a series of State level estimates which are based on historical production patterns and are summed to obtain the monthly crude oil production values shown in the summary statistics of this publication.

The individual State level estimates are either exponential curve fitted projections based on recent data or are constant level projections based on the average production rate during a recent time period. In some cases, adjustments are made to these estimates based on additional information on expected changes in production rates supplied by a State agency, a trade association, or an individual field operator.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries. Crude oil losses at refineries are reported on Form EIA-810, *Refinery Report*.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawaiian Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refineries located in these places.

Product Supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus re-

finery input, minus exports. This formula ensures that total disposition equals total supply.

Products supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of that product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported, (2) data were misreported or reported late, (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Stocks of crude oil are also reported weekly on Form EIA-800, *Weekly Refinery Report*, and on Form EIA-803, *Weekly Crude Oil Stocks Report*. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or stocks held by consumers. Petroleum product stocks are also reported weekly on Form EIA-800, *Weekly Refinery Report*, Form EIA-801, *Weekly Bulk Terminal Report*, and Form EIA-802, *Weekly Crude Oil Stocks Report*. For survey descriptions and other details, see Explanatory Notes 1.1 - 1.3.

Note 6: Average Stock Levels

The graphs displaying monthly stock levels of crude oil, motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases provide the user with recent data as well as a summary of data from January through December or from July through June for the most recent 3-year period. This summary takes the form of an *average range* that includes seasonal variation determined from a longer time period. The average range represents the historical pattern; it is not a forecast.

These curves are updated semiannually (in April and October), by basing the *average ranges* on a more recent time period. Each 3-year data series is adjusted by dropping the first 6 months and including the most recent 6 months.

For each data series, the monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive. The series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported stock levels. The intent of deseasonalization is to remove only seasonal variation from the data. Thus, a deseasonalized series would contain the same trends and irregularities as the original data. The seasonal factors for distillate fuel oil, residual fuel oil, and liquefied petroleum gases were derived using monthly data for 1977-1983. For motor gasoline, the seasonal factors are based on monthly data for 1978-1983. In 1977, there was virtually no seasonal behavior in motor gasoline stocks. Monthly stock levels stayed at the same high level for the entire year.

After seasonal factors are derived, the most recent 3-year period (from January through December or from July through June) is deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard error of the deseasonalized 36 months is calculated adjusting for extreme data points. The width of the *average range* is twice this standard error.

The upper curve of the *average range* is defined as the average plus the seasonal factors plus the standard error. The lower curve is defined as the average plus the seasonal factors minus the standard error.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Forms EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other detail, see Explanatory Note 1.2.

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, and 804) are used to estimate the most recent monthly values for the *Summary Statistics* section. Since some of the weekly reporting periods overlap two adjacent months,

it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-of-month stock levels of crude oil and the major products (motor gasoline, distillate fuel oil, and residual fuel oil) are calculated in a similar manner, but use only the two weekly reporting periods that cover the end-of-week stocks before and after the end of the month. The end-of-month stock level is calculated by first calculating the stock change between the two weeks. The daily stock change between the two end-of-week stock levels is then calculated. This number is multiplied by the weighting factor of the earlier of the two weeks (the week that covers the last day of the month of interest). This change is added to the earlier of the two end-of-week stock levels to estimate the end-of-month stock level.

Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 4. Total Production and Crude Oil Production appear under Field Production in Table 4.

- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.

- Petroleum Products Imports is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.

- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 9.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the Detailed Statistics, except where noted.

- Total Domestic Field Production, Alaskan Field Production, SPR Imports, Other Imports (synonymous with Imports Gross Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unac-

counted For Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.

- Crude Losses and Product Supplied appear as labeled in Table 4.

- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.

- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.

- Total Imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Ending Stocks appear in thousand barrels in Table 2.

Note 9.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, propane, butane, butane-propane mixtures, ethane-propane mixtures, and isobutane. The statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.

- Ending stocks appear in thousand barrels in Table 2.

Note 9.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on natural gasoline, isopentane, unfractionated stream, plant condensate, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, and residual fuel oil. The statistics on the referenced line are aggregated from Table 4 of the Detailed Statistics, except where noted.

- Total Production is the aggregated sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 4.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska*, *Lower 48 States*, and *Total U.S.* are calculated by calling the conservation agency in Alaska for Alaskan crude oil production during the month, estimating crude oil production in the United States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 States.

- Line (5): *SPR Imports* are reported on Survey Form ERA-60.

- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude losses in Table 2.

- Line (14): Natural gas plant liquids (NGPL) *Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.

- Line (15): NGPL *Imports* equals the sum of the imports of natural gasoline and isopentane, unfractionated stream, and plant condensate imports in Table 2.

- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the sum of stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate in Table 2.

- Line (17) equals the sum of lines (14), (15), and (16).

- Line (18): Unfinished oils and gasoline blending components *Stock Withdrawal (+) or Addition (-)* equals stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, for unfinished oils, motor gasoline blending components, and aviation gasoline blending components.

• Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.

• Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.

• Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).

• Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.

• Line (25): *Gross Imports of Refined Products* equals imports of LPG plus imports of finished petroleum products in Table 2.

• Line (26): *Exports of Refined Products* equals exports of LPG plus exports of finished petroleum products in Table 2.

• Line (27): *Net Imports of Refined Products* equals the difference between lines (25) and (26).

• Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

• Line (29): *Refined Products Stocks Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

• Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

• Lines (31) through (35) equal the respective products supplied in Table 2.

• Line (36): *Other Products Supplied* equals the sum of natural gasoline and isopentane, unfractionated stream, plant condensate, aviation gasoline, naphtha < 400 Deg. F for petrochemical feedstock use, other oils > 400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, coke, asphalt, road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components and miscellaneous products supplied in Table 2.

• Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

• The sum of lines (38) and (39), stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve*, equals ending stocks of crude oil in Table 2. SPR stocks are reported on Form EIA-813.

• Line (43): stocks of *Refined Products*, equals the sum of LPG and finished petroleum product stocks in Table 2.

Note 10: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).
- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,420; and 1982 - 1,462.
- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).
- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.
- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.
- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.
- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.
- Stock withdrawal calculations beginning in 1975, 1981, 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Prod-

ucts Supply and Disposition" table in the Summary Statistics, is now reported on a component basis (ethane, propane, normal butane, isobutane and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the Summary Statistics. This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108
- Other Petroleum Products: 1983 - 248

Note 11: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 12: Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting systems.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings throughout 1980. However, estimates of the magnitudes of differences in the major

data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline sales data series, which is derived from State tax receipts. This difference increased to about 4 percent in 1979 and 5 percent in 1980. There are two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference—in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). The following table provides 1979 and 1980 data as published in the *Petroleum Statement Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied. EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years. EIA has recently published a study of the quality of these FHWA data.¹

¹Office of Energy Information Validation, Energy Information Administration, U.S. Department of Energy, *Error Profile of Motor Fuel Taxation Data used to Establish and Monitor State Emergency Conservation Targets* (Washington, D.C.: December, 1981).

**Finished Motor Gasoline Product Supplied on Old and New Basis
(thousand Barrels per Day)**

| | 1979 | | | | 1980 | | | |
|---------|-----------------|---------------|-----------------|-------------------|-----------------|---------------|-----------------|-------------------|
| | EIA Reported | API Recast | EIA Recast | FHWA ¹ | EIA Reported | API Recast | EIA Recast | FHWA ¹ |
| Jan | 6,830 | 7,230 | 7,084- 7,246 | 6,984 | 6,323 | 6,789 | 6,630- 6,791 | 6,672 |
| Feb | 7,254 | 7,496 | 7,389- 7,568 | 7,538 | 6,596 | 6,983 | 6,831- 7,003 | 6,830 |
| Mar | 7,229 | 7,414 | 7,301- 7,463 | 7,316 | 6,406 | 6,753 | 6,607- 6,768 | 6,713 |
| Apr | 7,055 | 7,300 | 7,187- 7,353 | 7,375 | 6,800 | 7,014 | 6,886- 7,052 | 6,981 |
| May | 7,213 | 7,429 | 7,313- 7,475 | 7,428 | 6,729 | 6,954 | 6,823- 6,984 | 7,044 |
| Jun | 7,191 | 7,483 | 7,350- 7,516 | 7,441 | 6,657 | 6,966 | 6,824- 6,991 | 7,049 |
| Jul | 6,902 | 7,241 | 7,105- 7,266 | 7,299 | 6,743 | 6,973 | 6,960 | 7,132 |
| Aug | 7,330 | 7,546 | 7,426- 7,588 | 7,619 | 6,648 | 6,841 | 6,828 | 7,090 |
| Sep | 6,881 | 7,122 | 7,016- 7,262 | 7,232 | 6,510 | 6,692 | 6,962 | 6,685 |
| Oct | 6,791 | 7,068 | 6,956- 7,122 | 7,142 | 6,234 | 6,507 | 6,516 | 6,951 |
| Nov | 6,791 | 7,068 | 6,956- 7,122 | 7,142 | 6,234 | 6,507 | 6,516 | 6,951 |
| Dec | 6,730 | 7,106 | 6,966- 7,127 | 7,064 | 6,632 | 6,948 | 6,936 | 6,993 |
| Average | 7,034 | 7,302 | 7,183- 7,347 | 7,309 | 6,579 | 6,882 | 6,806- 6,889 | 6,925 |

¹FHWA gasoline statistics published in their 1979 Table MF-33G, 08-06-80, contain aviation gasoline as well as motor gasoline. Only motor gasoline data are included in published 1980 data. Consequently, the 1979 data shown above were reduced by subtracting aviation gasoline product supplied quantities as published by EIA in the 1979 *Petroleum Statement Annual*. The 1980 FHWA data published in their 1980 Table MF-33GA, August 1981, did not require this adjustment.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oil produced by a refinery is shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was sub-

tracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981 this adjustment was discontinued because there was not sufficient empirical evidence to support it. The following table presents distillate and residual fuel oil refinery production in 1980 as published (adjusted) and on the same basis as 1981 statistics are now being completed (unadjusted) to permit comparison between 1980 and 1981 data series. Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Adjusted and Unadjusted Refinery Production, and Unadjusted Product Supplied of Distillate and Residual Fuel Oils, by Month for 1979 and 1980 (Thousand Barrels Per Day)

1979

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,043 | 3,108 | 65 | 4,646 | 1,912 | 1,946 | 34 | 3,594 |
| Feb. | 2,888 | 2,945 | 57 | 4,869 | 1,792 | 1,822 | 30 | 3,625 |
| Mar. | 3,019 | 3,026 | 7 | 3,671 | 1,719 | 1,723 | 4 | 3,243 |
| Apr. | 2,945 | 2,978 | 32 | 3,048 | 1,639 | 1,656 | 17 | 2,524 |
| May | 3,066 | 3,093 | 27 | 3,025 | 1,586 | 1,600 | 14 | 2,517 |
| Jun. | 3,153 | 3,187 | 35 | 2,743 | 1,548 | 1,566 | 18 | 2,601 |
| Jul. | 3,305 | 3,344 | 38 | 2,601 | 1,575 | 1,594 | 20 | 2,471 |
| Aug. | 3,321 | 3,359 | 38 | 2,799 | 1,584 | 1,603 | 20 | 2,570 |
| Sep. | 3,354 | 3,306 | - 48 | 2,599 | 1,627 | 1,602 | - 25 | 2,584 |
| Oct. | 3,251 | 3,217 | - 34 | 3,085 | 1,629 | 1,612 | - 17 | 2,523 |
| Nov. | 3,239 | 3,200 | - 39 | 3,208 | 1,736 | 1,716 | - 20 | 2,795 |
| Dec. | 3,221 | 3,238 | 17 | 3,725 | 1,894 | 1,903 | 9 | 3,022 |
| Average | 3,152 | 3,169 | 16 | 3,327 | 1,687 | 1,695 | 8 | 2,834 |

1980

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,013 | 3,093 | 80 | 3,794 | 1,771 | 1,812 | 41 | 3,108 |
| Feb. | 2,766 | 2,888 | 122 | 3,834 | 1,773 | 1,836 | 63 | 3,168 |
| Mar. | 2,557 | 2,690 | 133 | 3,312 | 1,584 | 1,652 | 68 | 2,726 |
| Apr. | 2,460 | 2,554 | 94 | 2,729 | 1,595 | 1,643 | 48 | 2,492 |
| May | 2,474 | 2,610 | 136 | 2,538 | 1,509 | 1,579 | 70 | 2,305 |
| Jun. | 2,646 | 2,721 | 75 | 2,392 | 1,575 | 1,613 | 38 | 2,359 |
| Jul. | 2,689 | 2,783 | 94 | 2,343 | 1,480 | 1,528 | 48 | 2,339 |
| Aug. | 2,461 | 2,582 | 121 | 2,258 | 1,444 | 1,506 | 62 | 2,348 |
| Sep. | 2,686 | 2,726 | 40 | 2,627 | 1,495 | 1,516 | 21 | 2,380 |
| Oct. | 2,589 | 2,650 | 61 | 2,981 | 1,512 | 1,543 | 31 | 2,258 |
| Nov. | 2,703 | 2,823 | 120 | 3,069 | 1,579 | 1,641 | 62 | 2,513 |
| Dec. | 2,891 | 3,052 | 161 | 3,776 | 1,660 | 1,743 | 83 | 2,762 |
| Average | 2,661 | 2,764 | 103 | 2,969 | 1,580 | 1,634 | 54 | 2,562 |

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids sec-

tion, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 13: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquid (NGL) supply data, moving from a nine-product slate to a five-component slate that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analyses of the products they imported during the first six months of 1983. The percentages shown in Exhibit 1 are derived from the weighted averages of the data provided by the importers.

EXHIBIT 1. ALGORITHMS FOR ALLOCATING NGL IMPORTS

| PRODUCT SLATE | Ethane | Propane | Normal butane | Isobutane | Pentanes Plus |
|---|--------|---------|---------------|-----------|---------------|
| Natural Gasoline & Isopentane (EIA-814) | | | | | 100% |
| Plant Condensate (EIA-814) | | | | | 100% |
| Ethane (IM-145) | 100% | | | | |
| Butane (IM-145) | | | 60% | 40% | |
| Butane-Propane Mixtures (IM-145) | | 40% | 35% | 20% | 5% |
| Ethane-Propane Mixtures (IM-145) | 80% | 20% | | | |

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analyses of the products they

exported during 1983. The percentages shown in Exhibit 2 are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by PAD of exportation, due to the wide variation of components in the mixed streams.

EXHIBIT 2. ALGORITHMS FOR ALLOCATING NGL EXPORTS

| PRODUCT | P.A.D. | Ethane | Propane | EIA Component Slate Normal Butane | Isobutane | Pentanes Plus |
|---------------|----------|--------|---------|--------------------------------------|-----------|---------------|
| Ethane | All | 100% | | | | |
| Propane | All | | 100% | | | |
| Butane | All | | | 100% | | |
| Mixed Streams | I, IV, V | | 40% | 60% | | |
| | II | 30% | 25% | 15% | 15% | 15% |
| | III | | 80% | 20% | | |

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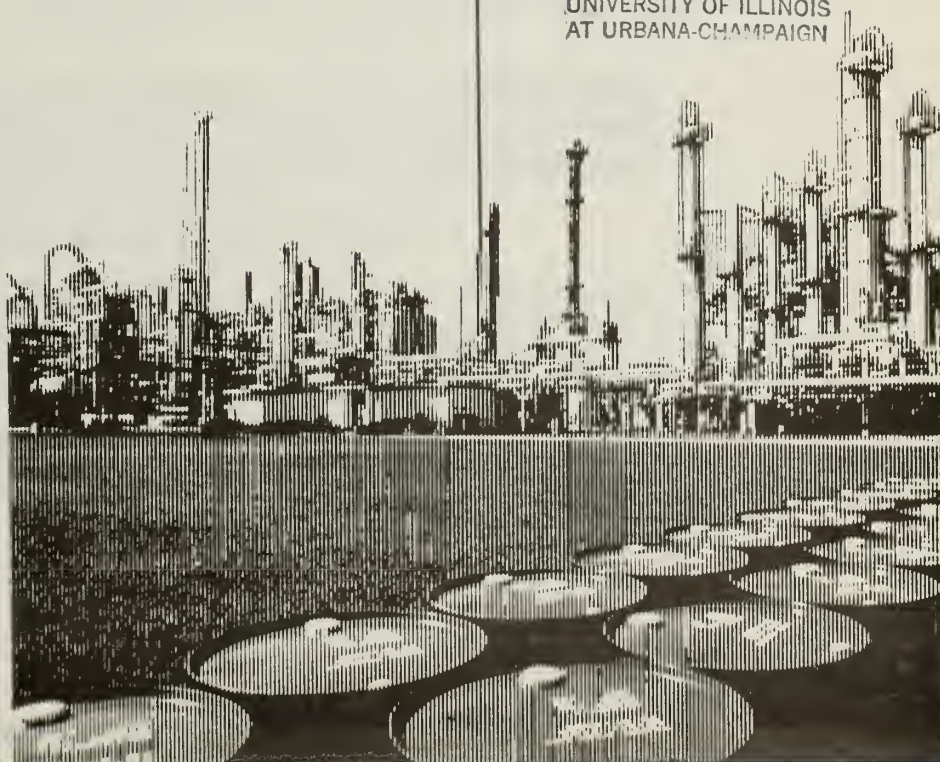
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Petroleum Focus



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Petroleum Supply Summary

| Average Volume for Period (Million Barrels Per Day) | December | | | Cumulative January Through December | | |
|---|----------|-------|-------------|--|------|-------------|
| | 1984 | 1983 | % Change | 1984 | 1983 | % Change |
| Products Supplied | | | | | | |
| Motor Gasoline | 6.8 | 6.8 | - 1.0 | 6.7 | 6.6 | 1.4 |
| Distillate Fuel Oil | 3.0 | 3.4 | - 10.0 | 2.9 | 2.7 | 6.4 |
| Residual Fuel Oil | 1.3 | 1.6 | - 20.0 | 1.4 | 1.4 | - 3.4 |
| Other Products | 5.0 | 4.9 | 1.4 | 4.8 | 4.5 | 7.2 |
| Total | 16.1 | 16.7 | - 3.9 | 15.8 | 15.2 | 3.5 |
| Crude Inputs to Refineries | 11.9 | 11.2 | 6.1 | 12.1 | 11.7 | 3.3 |
| Production | | | | | | |
| Crude Oil, Natural Gas Liquids, and Other ¹ | 10.5 | 10.0 | 5.3 | 10.4 | 10.3 | 1.3 |
| Imports | | | | | | |
| Crude Oil ² | 3.1 | 3.0 | 2.7 | 3.2 | 3.1 | 4.1 |
| SPR | 0.2 | 0.2 | 11.9 | 0.2 | 0.2 | - 16.2 |
| Products | 1.7 | 1.8 | - 6.9 | 2.0 | 1.7 | 14.5 |
| Total | 5.0 | 5.0 | - 0.4 | 5.4 | 5.1 | 6.7 |
| Exports | | | | | | |
| Crude Oil | 0.2 | 0.1 | 112.6 | 0.2 | 0.2 | 11.6 |
| Products | 0.7 | 0.5 | 19.9 | 0.5 | 0.6 | - 8.2 |
| Total | 0.9 | 0.6 | 33.6 | 0.7 | 0.7 | - 3.9 |
| Stock Withdrawal | | | | | | |
| Crude Oil ² | 0.1 | - 0.1 | — | (s) | (s) | — |
| Products | 0.6 | 2.1 | — | - 0.1 | 0.2 | — |
| Stocks at End of Period (Million Barrels) | | | | | | |
| Crude Oil | | | | | | |
| SPR | 450 | 379 | 18.7 | | | |
| Other | 342 | 344 | - 0.5 | | | |
| Total | 792 | 723 | 9.6 | | | |
| Products | | | | | | |
| Motor Gasoline ³ | 240 | 222 | 7.7 | | | |
| Distillate Fuel Oil | 161 | 140 | 15.1 | | | |
| Residual Fuel Oil | 53 | 49 | 8.5 | | | |
| Other | 297 | 319 | - 7.1 | | | |
| Total | 750 | 731 | 2.7 | | | |
| Total Crude Oil and Products | 1,542 | 1,454 | 6.1 | | | |

1 Includes alcohol and other hydrocarbon liquids.

2 Excludes Strategic Petroleum Reserve (SPR).

3 Including blending components.

(s) = Less than 0.05 million barrels per day.

NOTE: Percent changes are based on unrounded values. December 1984 data are estimates based on weekly data, except for exports, NGL production, other hydrocarbons, and alcohol which are November 1984 monthly values. Totals may not be equal to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Monthly*, November 1984.

THE HISTORY OF THE

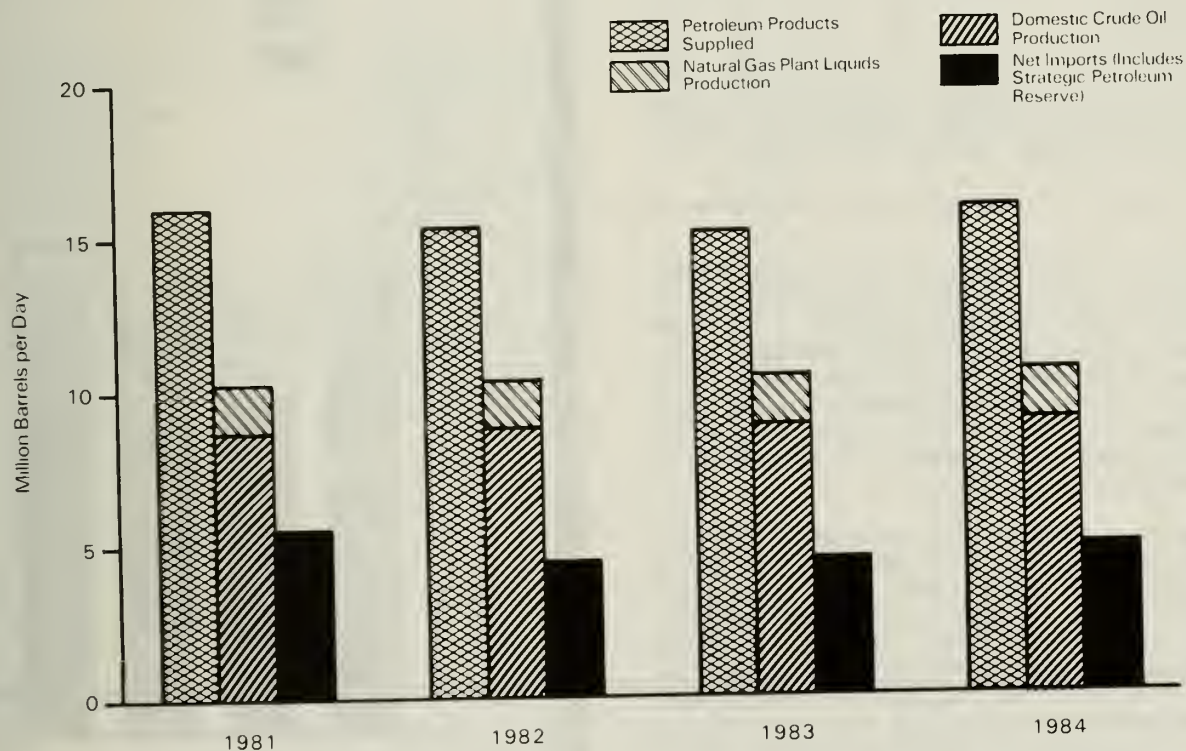
U.S. Petroleum Developments: 1984

Petroleum consumption in the United States increased in 1984 for the first time since 1978. Rapid economic growth during 1984, stable crude oil prices, and a much colder first quarter than in 1983 contributed to the turn-around in petroleum demand. **Net imports of crude oil and petroleum products** were the primary source of supply in meeting the difference between domestic production and increased product demand (see Figure

NOTE: Unless otherwise referenced, data in this article were taken from the Summary Statistics section of this report, *Petroleum Supply Monthly*, DOE/EIA-0109 (84/11); *Petroleum Supply Annual*, 1981, 1982, and 1983, DOE/EIA-0340, Volumes 1 and 2. All price data are stated in nominal terms (unadjusted for inflation). Where final data were not available, estimates were based on preliminary data.

1). **Stocks of crude oil and petroleum products** were generally lower than during 1983. Seasonal declines in **distillate fuel oil stocks** were seen during the first quarter of this year; however, stock building later in the year raised inventories well above their year-end 1983 levels. **Crude oil prices** remained steady in nominal terms for most of the year (implying a falling real price over the period). As the United Kingdom, Norway, and Nigeria lowered their crude oil prices, the world price of crude oil fell during the final quarter. **Motor gasoline prices** were slightly lower than in 1983, while **heating oil prices** were slightly higher during the first half of the year. Despite continued closings and partial shutdowns at refineries during 1984, the resulting loss of **crude oil distillation capacity** was significantly less than losses in recent years. **Refinery utilization** continued to increase in 1984, as a result of higher gross inputs to crude distillation facilities and lower capacity levels of these facilities. **Rotary rig activity, well completions, and seismic geophysical activity** were above their prior year levels.

Figure 1. Petroleum Supply



Note: 1984 data are preliminary

Sources: Energy Information Administration, *Petroleum Supply Annual*, 1981, 1982, 1983, DOE/EIA-0340; *Petroleum Supply Monthly*, November 1984, DOE/EIA-0109 (84/11).

Consumption

During 1984, petroleum consumption in the United States (measured as "petroleum products supplied") increased 4 percent over 1983, reversing the 5-year downward trend in consumption. The average consumption of 15.8 million barrels per day was the result of the rate at which the economy grew during 1984, a colder winter than in 1983, and stable petroleum prices. Consumption of all major petroleum products except residual fuel oil was greater than in 1983.

Motor gasoline consumption averaged 6.7 million barrels per day during 1984, 1 percent higher than the average recorded for 1983 (see Table 1). This increase in demand was in response to generally lower prices for motor gasoline during 1984 than in 1983. High primary stock levels and record imports of finished motor gasoline were the major factors contributing to this price drop. However, a portion of this demand was offset by an improved fleet efficiency caused by the high volume of new, more fuel-efficient cars entering the fleet during 1984.

**Table 1. Products Supplied Summary
(Million Barrels per Day)**

| Products Supplied | 1981 | 1982 | 1983 | 1984 |
|---------------------------|-------------|-------------|-------------|-------------|
| Motor Gasoline | 6.6 | 6.5 | 6.6 | 6.7 |
| Distillate Fuel Oil | 2.8 | 2.7 | 2.7 | 2.9 |
| Residual Fuel Oil | 2.1 | 1.7 | 1.4 | 1.4 |
| Other Products | 4.6 | 4.4 | 4.5 | 4.8 |
| Total | 16.1 | 15.3 | 15.2 | 15.8 |

Sources: Energy Information Administration, *Petroleum Supply Annual*, 1981, 1982, 1983, DOE/EIA-0340; *Petroleum Supply Monthly*, November 1984, DOE/EIA-0109 (84/11).

Distillate fuel oil consumption in 1984 averaged 2.9 million barrels per day, up 6 percent from 1983 and the highest level since 1980. Strong growth in industrial production and a surge in demand for heating oil during the unusually cold winter were factors in the rise in distillate fuel oil demand. To accommodate this rise, refineries stepped up their production of distillate fuel oil, stock withdrawals were increased, and higher imports of distillate fuel oil were needed.

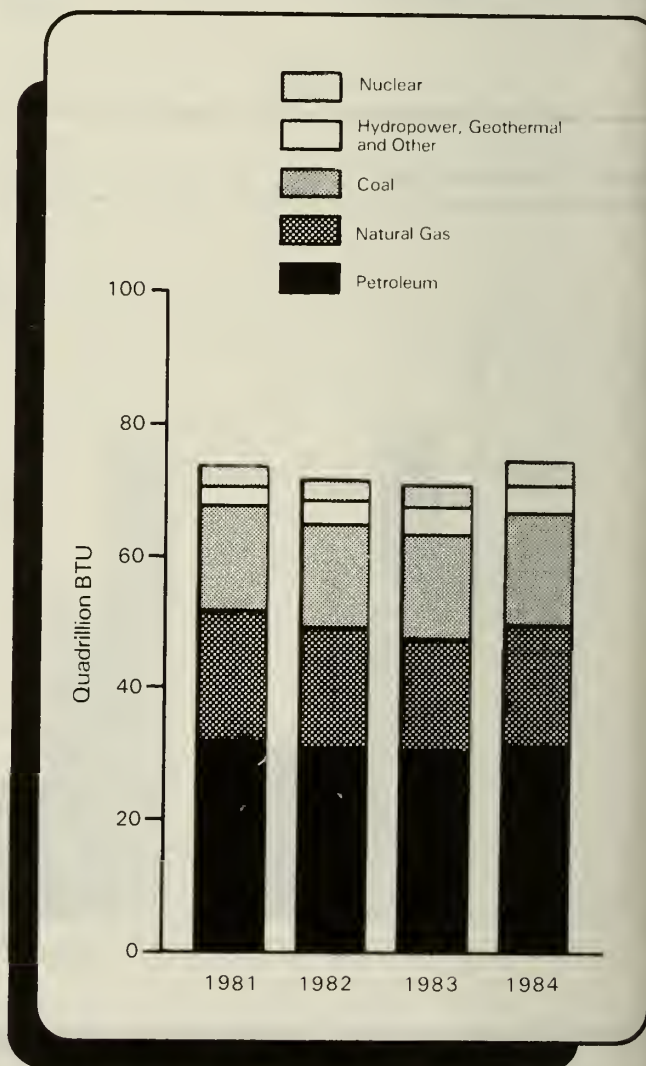
Consumption of residual fuel oil fell 3 percent from the 1983 level, averaging 1.4 million barrels per day during 1984. Although consumption went up moderately during the first quarter of 1984, compared with the same quarter in 1983, overall demand for residual fuel oil has been declining steadily for the past several years. An unusually cold January on the East Coast, where nearly half of all residual fuel oil is used, coupled with an increase in industrial and electric utility use, caused higher consumption during this period. Higher imports were the major source of supply in meeting this short-term increase in demand. However, as temperatures began to moderate by the second quarter, demand fell behind year-earlier levels in each of the last three quarters of 1984.

Consumption of other petroleum products,¹ including liquefied petroleum gases, averaged 4.8 million barrels per day during 1984, up 7 percent from 1983. This increase was also the result of strong economic growth, particularly in the petrochemical industry.

Despite the increase in consumption, petroleum's share of the overall energy market declined in 1984, continuing the downward trend which began in 1979. This decline is related to continued conservation efforts and fuel switching begun during the late 1970's. However, petroleum remained the dominant energy source in the United States during 1984 (see Figure 2).

¹Includes all finished petroleum products except finished motor gasoline, distillate fuel oil, and residual fuel oil.

Figure 2. Consumption of Energy by Type



Sources: Energy Information Administration, *Monthly Energy Review*, September 1984, DOE/EIA-0035 (84/09); and *Short-Term Energy Outlook*, October 1984, DOE/EIA-0202 (84/4Q).

Refinery Operations

Total operable crude oil distillation capacity of petroleum refineries fell about 360,000 barrels per day during 1984, well below the previous year's drop of more than 700,000 barrels per day (see Table 2). Although the loss of capacity was significantly less, the number of refineries closed during 1984 (see box below) was about

the same as during 1983. New construction and modifications at existing facilities partially offset the effects of these closings. Crude oil inputs to refineries averaged 12.1 million barrels per day during the year, 3 percent above the average for the previous year. Consequently, as inputs rose and operable capacity fell, the refinery utilization rate increased to an average of 76.4 percent for 1984 (see Table 2).

Update on Refinery Closings

As reported in the 1983 *Petroleum Supply Annual*, there were 247 operable refineries in the United States on January 1, 1984. Since that time, the 18 refineries listed below, with a combined operable crude distillation capacity of 415,370 barrels per calendar day and total downstream capacity of 487,500 barrels per stream day, have been shut down. These data reflect closings through December 31, 1984.

Refinery Closings Since January 1, 1984

| Refiner | Location | Crude Oil Distillation Capacity | Downstream Capacity | Years in Operation |
|-----------------------------|------------------------------|---------------------------------------|---------------------------|-----------------------|
| | | barrels per calendar day | barrels per stream day | |
| Caribou-Four Corners, Inc. | Woods Cross, Utah | 8,400 | 8,200 | 21 |
| Caribou-Four Corners, Inc. | Farmington, New Mexico | 2,200 | 2,400 | 19 |
| Celeron Oil & Gas Co. | Mermentau, Louisiana | 11,000 | | 6 |
| Dorchester Refining Co. | Mt. Pleasant, Texas | 26,500 | 38,800 | 6 |
| ECO Petroleum Inc. | Long Beach, California | 0 | 7,000 | 8 |
| Eddy Refining Co. | Houston, Texas | 3,250 | | 36 + |
| Hill Petroleum Co. | Krotz Springs, Louisiana | 57,400 | 62,000 | 7 |
| Marlex Oil & Refining Co. | Los Angeles, California | 21,100 | | 7 |
| Mid-Gulf Energy Corp. | Engleside, Texas | 39,400 | 20,000 | 3 |
| Port Petroleum Inc. | Stonewall, Louisiana | 3,200 | | 5 |
| Powerline Oil Co. | Santa Fe Springs, California | 44,120 | 100,100 | 34 |
| Quintana Petrochem. Co. | Corpus Christi, Texas | 33,300 | 54,000 | 30 |
| Southern Union Refining Co. | Lovington, New Mexico | 36,100 | 18,500 | 8 |
| Tesoro Petroleum Corp. | Carrizo Springs, Texas | 26,100 | 3,500 | 27 |
| Tonkawa Refining Co. | Arnett, Oklahoma | 12,000 | 6,000 | 16 |
| Tosco Corp. | Bakersfield, California | 38,800 | 80,000 | 33 |
| Tosco Corp. | Duncan, Oklahoma | 47,000 | 85,000 | 4 |
| Warrior Asphalt Co. | Holt, Alabama | 5,500 | 2,000 | 30 |
| Total | | 415,370 | 487,500 | |

Source: Energy Information Administration

Table 2. Refinery Operations
(Million Barrels per Day)

| Operations | 1981 | 1982 | 1983 | 1984 | 1985 |
|--|------|------|------|------|--------|
| Crude Oil Input | 12.5 | 11.8 | 11.7 | 12.1 | NA |
| Gross Input | 12.8 | 12.2 | 11.9 | 12.2 | NA |
| Operable Capacity ¹ | 18.6 | 17.9 | 16.9 | 16.1 | E 15.8 |
| Refinery Utilization (yearly average) | 68.5 | 69.8 | 71.7 | 76.4 | NA |

NA = Not applicable

¹Operable crude oil distillation capacity as of January 1.

E = Estimated.

Sources: Energy Information Administration, *Petroleum Supply Annual*, 1981, 1982, 1983, DOE/EIA-0340; *Petroleum Supply Monthly*, November 1984, DOE/EIA-0109 (84/11).

Petroleum Stocks

Total petroleum stocks, excluding the Strategic Petroleum Reserve (SPR), stood at 1,092 million barrels at the end of 1984, about 2 percent above the level of stocks held in inventory at the end of 1983 (see Table 3). Most of this increase occurred in inventories of refined products, which rose almost 3 percent to 750 million barrels. Stocks of crude oil (excluding SPR) decreased slightly, from 344 million barrels at the end of 1983, to 342 million barrels at the end of 1984. Crude oil stocks held in the SPR climbed to 450 million barrels, up nearly 19 percent over the level reported for year-end 1983.

Stocks of distillate fuel oil during 1984 were generally below their comparable 1983 levels, particularly during the first quarter, when large stock withdrawals were needed to meet higher heating oil demand caused by the unusually cold weather. By year-end 1984, stocks were replenished to 161 million barrels, 15 percent above year-end 1983 volumes. Residual fuel oil inventories remained close to prior year levels, but increased 8 percent to 53 million barrels by year's end. Motor gasoline inventories, on the other hand, increased substan-

Table 3. Ending Stocks of Petroleum
(Million Barrels)

| Commodity | 1983 | 1984 | Percent Change |
|---------------------------------|-------|-------|----------------|
| Crude Oil | | | |
| SPR | 379 | 450 | 18.7 |
| Other | 344 | 342 | - 0.5 |
| Total | 723 | 792 | 9.6 |
| Products | | | |
| Motor Gasoline | 222 | 240 | 7.7 |
| Distillate Fuel Oil | 140 | 161 | 15.1 |
| Residual Fuel Oil | 49 | 53 | 8.5 |
| Other | 319 | 297 | - 7.1 |
| Total | 731 | 750 | 2.7 |
| Total Crude Oil and Products .. | 1,454 | 1,542 | 6.1 |

Note: Total may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, *Petroleum Supply Annual*, 1983, DOE/EIA-0340 (83/1); *Petroleum Supply Monthly*, November 1984, DOE/EIA-0109 (84/11).

tially during the spring months, but fell back to normal levels before the end of the summer driving season. The increase in distillate fuel oil production early in 1984 was largely responsible for the relatively high motor gasoline stock levels seen at the beginning of the summer, since motor gasoline is a co-product in the production of distillate fuel oil. By the end of 1984, motor gasoline stocks stood at 240 million barrels, well above the 1983 year-end volume of 222 million barrels.

Imports

Net imports—gross imports including imports for the Strategic Petroleum Reserve (SPR) minus exports—of crude oil and petroleum products into the United States

Table 4. Net Imports of Petroleum
(Million Barrels per Day)

| Commodity | 1983 | 1984 ¹ | Percent Change |
|---------------------------------|------|-------------------|----------------|
| Crude Oil | | | |
| SPR | 0.2 | 0.2 | - 16.2 |
| Other | 2.9 | 3.0 | 3.7 |
| Total | 3.2 | 3.2 | 2.2 |
| Products | | | |
| Residual Fuel Oil | 0.5 | 0.5 | - 6.8 |
| Motor Gasoline | 0.2 | 0.3 | 20.3 |
| Distillate Fuel Oil | 0.1 | 0.2 | 110.0 |
| Other | 0.3 | 0.4 | 57.0 |
| Total | 1.1 | 1.4 | 25.9 |
| Total Crude Oil and Products .. | 4.3 | 4.7 | 8.6 |

¹Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, *Petroleum Supply Annual*, 1983, DOE/EIA-0340 (83/1); *Petroleum Supply Monthly*, November 1984, DOE/EIA-0109 (84/11); *Weekly Petroleum Status Report*, DOE/EIA-0208 (84/52)(85/01).

increased to 4.7 million barrels per day, 9 percent above the 1983 average (see Table 4). This represents the second consecutive yearly increase in net imports, a reversal of the downward trend between 1977 and 1982. Although net imports from members of the Organization of Petroleum Exporting Countries (OPEC) were up over 1983, non-OPEC countries remained the major net suppliers of crude oil and petroleum products to the United States during 1984.

Net crude oil imports, excluding imports for the SPR, were up for the first time since 1979, averaging 3.0 million barrels per day, while crude oil imports for the SPR fell during 1984 to an average of 196,000 barrels per day, down 16 percent from the 234,000 barrels per day averaged during 1983. Net imports of petroleum products averaged 1.4 million barrels per day in 1984, up 26 percent from 1983. Net imports of distillate fuel oil more than doubled, to 0.2 million barrels per day, and accounted for most of this increase. Net imports of residual fuel oil fell 7 percent, to 0.5 million barrels per day, while motor gasoline net imports rose 20 percent, to 0.3 million barrels per day.

Exports of petroleum products fell during 1984 to 528,000 barrels per day, from 575,000 barrels per day during 1983. The largest decline among petroleum product exports was in distillate fuel oil, down 33 percent from 1983.

Production

Domestic crude oil production during 1984 averaged 8.8 million barrels per day—the highest yearly average since 1974, although just slightly above the comparable 1983 average.

U.S. drilling activity during 1984 continued to show improvement over 1983. An average of 2,428 rigs were in operation during 1984, compared to an average of 2,232 in 1983.² Geophysical activity so far this year was nearly 6 percent above the average for the same period in 1983. From a July peak of 529, crews engaged in seismic exploration fell each month, to 493 by November, virtually unchanged from the 495 count reported in November of the previous year.³ Well completions for the first 11 months of this year were above those reported for the same period in 1983. By November, a total of 74,379 wells were drilled, averaging 4,259 feet per well, compared to 68,931 drilled with an average depth of 4,275 feet per well in 1983.⁴

Petroleum Prices

Petroleum prices (in nominal terms) remained stable during most of 1984, despite the uncertainties caused by the threat of a supply disruption from the Persian Gulf and a surge in demand by some major industrialized countries, such as the United States and Japan. At \$28 per barrel at year end, world crude oil prices were only slightly down from their level in December 1983. Inventory drawdowns, increased oil production, and the continuing strength of the dollar relative to other major currencies were the major factors contributing to the downward pressure on crude oil prices.

The composite refiner acquisition cost of crude oil as of November 1984 was \$28.30 per barrel, compared with \$28.85 per barrel in November 1983 (see Table 5).

Average retail prices of motor gasoline were generally below 1983 levels throughout most of 1984. As of November, the average price of motor gasoline was 119.3 cents per gallon, 3 percent below the November 1983 average. Some seasonal variation in the price of gasoline is normal, with higher prices occurring during the summer driving season; however, 1984 saw prices drop nearly 3 cents per gallon during this peak period. High primary stock levels at the beginning of the summer, caused by higher refinery production of distillate fuel oil during the first quarter 1984, and increased imports of finished motor gasoline were the major forces behind this price drop.

Between December 1983 and February 1984, residential heating oil prices jumped nearly 10 percent, from \$1.07 per gallon to \$1.17 per gallon. This rise may be explained by the higher demand for distillate fuel oil in

Table 5. U.S. Average Petroleum Prices

| Petroleum Prices | Nov. 1981 | Nov. 1982 | Nov. 1983 | Nov. 1984 |
|--|-----------|-----------|-----------|---------------------|
| (Dollars per Barrel) | | | | |
| Refiner Acquisition Cost of Crude Oil | | | | |
| Domestic | 33.49 | 31.57 | 28.76 | 28.10 |
| Imported | 36.21 | 33.09 | 29.09 | 28.74 |
| Composite | 34.33 | 32.07 | 28.85 | 28.30 |
| (Cents per Gallon) | | | | |
| Motor Gasoline | | | | |
| All types, Retail | 135.1 | 126.8 | 122.4 | 119.3 |
| No. 2 Heating Oil, Retail ¹ | 120.8 | 121.6 | 106.0 | ² P104.9 |

¹1983 and 1984 prices exclude taxes.

²No. 2 Heating Oil price as of October 1984.

P = Preliminary.

Sources: Energy Information Administration, Form 14, "Refiners' Monthly Cost Report;" Form EIA-9A, "No. 2 Heating Oil Supply/Price Monitoring Report;" Form EIA-782A, "Monthly Petroleum Product Sales Report;" and Form EIA-782B, "Monthly No. 2 Distillate Sales Report." Motor gasoline prices: Bureau of Labor Statistics.

the first quarter of 1984, caused by the abnormally cold early winter weather. However, as inventories were replenished, prices fell each month through August, when the price of residential heating oil was below the comparable 1983 price of \$1.05 per gallon.

Outlook

In contrast to the rapid pace of economic growth and higher demand for petroleum products during 1984, the outlook for 1985 is more moderate. According to the Energy Information Administration's latest *Short-Term Energy Outlook*,⁵ U.S. petroleum demand is projected to fall by about 1 percent between 1984 and 1985 as the economy continues to expand, but at a slower rate. This projection assumes normal weather and continued conservation efforts. Other projections for 1985 are as follows:

- Motor gasoline consumption is expected to decrease slightly (less than 1 percent) in 1985.

- Net petroleum imports, including the SPR, are projected to show only a modest rise (about 2 percent) from 1984.

- Domestic crude oil production is expected to increase to 8.9 million barrels per day in 1985, up from 8.8 million barrels per day during 1984.

²Hughes Tool Company, *Rotary Rigs Running—By State*, (Houston, Texas: 1983-1984).

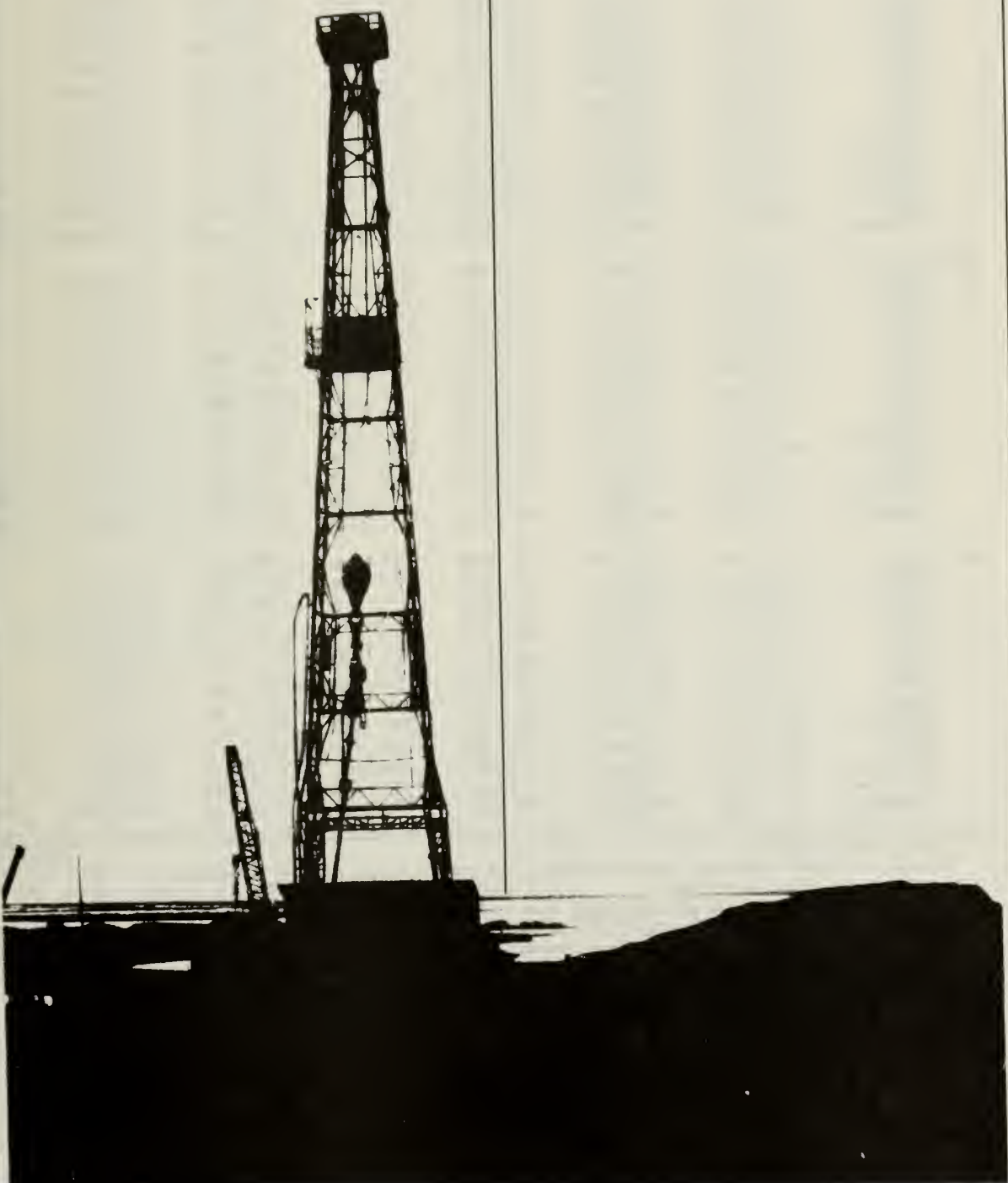
³Society of Exploration Geophysicists, "Monthly Seismic Crew Count," November 1984.

⁴American Petroleum Institute, "Monthly Drilling Report," November 1984.

⁵Energy Information Administration, *Short-Term Energy Outlook*, October 1984, DOE/EIA-0202(84/4Q).

REVIEW OF THE YEAR 1911

Summary Statistics



Crude Oil¹ and Petroleum Products Overview

| | | Field Production | | | Stock Withdrawal ² | | | Ending Stocks ³ |
|--------------------------|------------|-----------------------------|-----------|------------------------------|-------------------------------|--------------------|-----------------------------|---|
| | | Total Domestic ⁴ | Crude Oil | Natural Gas Plant Production | Crude Oil ⁵ | Petroleum Products | Petroleum Products Supplied | Crude Oil ⁵ and Petroleum Products |
| | | | | | | | | |
| Thousand Barrels per Day | | | | | | | | Million Barrels |
| 1973 | Average | 10,975 | 9,208 | 1,738 | 11 | -146 | 17,308 | 1,008 |
| 1974 | Average | 10,498 | 8,774 | 1,688 | -62 | -117 | 16,653 | ⁸ 1,074 |
| 1975 | Average | 10,045 | 8,375 | 1,633 | ⁸ -17 | ⁸ -145 | 16,322 | 1,133 |
| 1976 | Average | 9,774 | 8,132 | 1,603 | -39 | 96 | 17,461 | 1,112 |
| 1977 | Average | 9,913 | 8,245 | 1,618 | -170 | -378 | 18,431 | 1,312 |
| 1978 | Average | 10,328 | 8,707 | 1,567 | -78 | 172 | 18,847 | 1,278 |
| 1979 | Average | 10,179 | 8,552 | 1,584 | -148 | -25 | 18,513 | 1,341 |
| 1980 | Average | 10,214 | 8,597 | 1,573 | -98 | -42 | 17,056 | ⁸ 1,392 |
| 1981 | Average | 10,230 | 8,572 | 1,609 | ⁸ -290 | ⁸ 130 | 16,058 | 1,484 |
| 1982 | January | 10,128 | 8,509 | 1,578 | -401 | 1,298 | 16,124 | 1,456 |
| | February | 10,312 | 8,702 | 1,563 | -242 | 1,230 | 16,001 | 1,428 |
| | March | 10,284 | 8,667 | 1,572 | 121 | 1,047 | 15,560 | 1,392 |
| | April | 10,188 | 8,591 | 1,542 | -37 | 1,583 | 16,046 | 1,346 |
| | May | 10,244 | 8,683 | 1,518 | 29 | -66 | 14,847 | 1,347 |
| | June | 10,212 | 8,646 | 1,511 | 40 | -489 | 14,998 | 1,360 |
| | July | 10,229 | 8,658 | 1,513 | -147 | -926 | 14,821 | 1,393 |
| | August | 10,215 | 8,634 | 1,524 | -440 | -44 | 14,839 | 1,408 |
| | September | 10,279 | 8,701 | 1,518 | 263 | -447 | 15,022 | 1,414 |
| | October | 10,299 | 8,701 | 1,530 | -548 | -47 | 14,859 | 1,432 |
| | November | 10,359 | 8,697 | 1,609 | -398 | -361 | 15,009 | 1,455 |
| | December | 10,276 | 8,598 | 1,628 | 128 | 688 | 15,487 | ⁸ 1,430 |
| | Average | 10,252 | 8,649 | 1,550 | -136 | 283 | 15,296 | |
| 1983 | January | 10,331 | 8,697 | 1,580 | ⁸ -499 | ⁸ 772 | 14,722 | 1,452 |
| | February | 10,388 | 8,758 | 1,575 | -320 | 1,113 | 14,792 | 1,430 |
| | March | 10,279 | 8,700 | 1,541 | 83 | 1,810 | 15,541 | 1,372 |
| | April | 10,322 | 8,776 | 1,506 | -402 | 308 | 14,692 | 1,374 |
| | May | 10,190 | 8,631 | 1,493 | -15 | -602 | 14,505 | 1,394 |
| | June | 10,261 | 8,667 | 1,523 | -122 | -276 | 15,289 | 1,405 |
| | July | 10,228 | 8,636 | 1,539 | 233 | -909 | 15,019 | 1,426 |
| | August | 10,284 | 8,679 | 1,562 | -796 | -271 | 15,480 | 1,460 |
| | September | 10,447 | 8,784 | 1,602 | -239 | -621 | 15,506 | 1,485 |
| | October | 10,434 | 8,771 | 1,604 | -274 | -442 | 14,962 | 1,508 |
| | November | 10,461 | 8,770 | 1,641 | 114 | -182 | 15,500 | 1,510 |
| | December | 9,983 | 8,397 | 1,544 | -329 | 2,133 | 16,726 | 1,454 |
| | Average | 10,299 | 8,688 | 1,559 | -214 | 234 | 15,231 | |
| 1984 | January | 10,282 | 8,659 | 1,585 | -342 | 1,085 | 16,726 | 1,430 |
| | February | 10,410 | 8,726 | 1,629 | 186 | -1,353 | 15,389 | 1,464 |
| | March | 10,354 | 8,718 | 1,588 | -2 | 643 | 16,017 | 1,444 |
| | April | 10,347 | 8,688 | 1,616 | -565 | -128 | 15,484 | 1,465 |
| | May | 10,415 | 8,752 | 1,610 | -616 | -422 | 15,566 | 1,497 |
| | June | 10,398 | 8,743 | 1,612 | -95 | -77 | 15,687 | 1,502 |
| | July | 10,487 | 8,769 | 1,649 | -184 | -184 | 15,547 | 1,514 |
| | August | 10,476 | 8,781 | 1,663 | 250 | 185 | 16,130 | 1,500 |
| | September | 10,464 | 8,759 | 1,666 | 266 | -736 | 15,315 | 1,514 |
| | October | 10,549 | 8,847 | 1,648 | -798 | -211 | 15,631 | 1,545 |
| | November* | 10,558 | 8,846 | 1,680 | R -166 | R -176 | R 15,602 | R 1,556 |
| | December** | NA | 8,797 | NA | -80 | 604 | 16,074 | 1,542 |
| | Average | NA | 8,757 | NA | -181 | -55 | 15,769 | |

¹ Includes lease condensate.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Stocks are totals as of end of period.

⁴ Includes crude oil, natural gas plant production, other hydrocarbons, and alcohol.

⁵ Includes stocks located in the Strategic Petroleum Reserve.

⁶ Includes crude oil for storage in the Strategic Petroleum Reserve.

⁷ Net Imports equal Imports minus Exports.

⁸ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

Footnotes continued on following page.

Crude Oil¹ and Petroleum Products Overview (continued)

| Crude Oil ⁵ and Petroleum Products Overview (continued) | | | | | | | | |
|--|------------|---------|------------------------|--------------------|---------|-----------|--------------------|-------|
| | | Imports | | | Exports | | | |
| | | Total | Crude Oil ⁶ | Petroleum Products | Total | Crude Oil | Petroleum Products | |
| | | | | | | | | |
| Thousand Barrels per Day | | | | | | | | |
| 1973 | Average | 6,256 | 3,244 | 3,012 | 231 | 2 | 229 | 6,025 |
| 1974 | Average | 6,112 | 3,477 | 2,635 | 221 | 3 | 218 | 5,892 |
| 1975 | Average | 6,056 | 4,105 | 1,951 | 209 | 6 | 204 | 5,846 |
| 1976 | Average | 7,313 | 5,287 | 2,026 | 223 | 8 | 215 | 7,090 |
| 1977 | Average | 8,807 | 6,615 | 2,193 | 243 | 50 | 193 | 8,565 |
| 1978 | Average | 8,363 | 6,356 | 2,008 | 362 | 158 | 204 | 8,002 |
| 1979 | Average | 8,456 | 6,519 | 1,937 | 472 | 235 | 237 | 7,984 |
| 1980 | Average | 6,909 | 5,263 | 1,646 | 544 | 287 | 258 | 6,365 |
| 1981 | Average | 5,996 | 4,396 | 1,599 | 595 | 228 | 367 | 5,401 |
| | | | | | | | | |
| 1982 | January | 5,332 | 3,693 | 1,639 | 829 | 238 | 591 | 4,503 |
| | February | 4,807 | 2,990 | 1,817 | 804 | 304 | 499 | 4,003 |
| | March | 4,484 | 2,874 | 1,610 | 882 | 321 | 561 | 3,602 |
| | April | 4,378 | 2,849 | 1,529 | 786 | 174 | 611 | 3,593 |
| | May | 4,811 | 3,309 | 1,503 | 803 | 262 | 542 | 4,008 |
| | June | 5,327 | 3,836 | 1,491 | 703 | 94 | 609 | 4,624 |
| | July | 5,890 | 4,248 | 1,642 | 741 | 229 | 512 | 5,149 |
| | August | 5,244 | 3,851 | 1,392 | 858 | 304 | 554 | 4,386 |
| | September | 5,414 | 3,636 | 1,778 | 791 | 184 | 606 | 4,624 |
| | October | 5,306 | 3,670 | 1,636 | 932 | 270 | 662 | 4,374 |
| | November | 5,744 | 3,862 | 1,882 | 786 | 262 | 524 | 4,958 |
| | December | 4,606 | 3,000 | 1,605 | 860 | 193 | 667 | 3,746 |
| | Average | 5,113 | 3,488 | 1,625 | 815 | 236 | 579 | 4,298 |
| | | | | | | | | |
| 1983 | January | 4,438 | 2,964 | 1,474 | 973 | 117 | 856 | 3,464 |
| | February | 3,726 | 2,267 | 1,459 | 865 | 262 | 603 | 2,861 |
| | March | 3,690 | 2,290 | 1,400 | 801 | 174 | 627 | 2,889 |
| | April | 4,727 | 3,118 | 1,609 | 809 | 88 | 721 | 3,918 |
| | May | 5,089 | 3,360 | 1,729 | 848 | 280 | 568 | 4,241 |
| | June | 5,326 | 3,577 | 1,749 | 774 | 144 | 630 | 4,552 |
| | July | 5,741 | 3,871 | 1,870 | 571 | 145 | 426 | 5,170 |
| | August | 6,159 | 4,227 | 1,933 | 663 | 172 | 491 | 5,496 |
| | September | 6,129 | 4,210 | 1,919 | 684 | 177 | 507 | 5,445 |
| | October | 5,258 | 3,446 | 1,812 | 576 | 140 | 436 | 4,682 |
| | November | 5,210 | 3,337 | 1,873 | 679 | 186 | 494 | 4,531 |
| | December | 5,033 | 3,213 | 1,820 | 639 | 95 | 544 | 4,394 |
| | Average | 5,051 | 3,329 | 1,722 | 739 | 164 | 575 | 4,312 |
| | | | | | | | | |
| 1984 | January | 5,347 | 3,029 | 2,318 | 575 | 153 | 422 | 4,772 |
| | February | 5,643 | 2,952 | 2,691 | 582 | 185 | 397 | 5,061 |
| | March | 5,253 | 3,455 | 1,798 | 840 | 236 | 605 | 4,413 |
| | April | 5,319 | 3,417 | 1,902 | 655 | 172 | 483 | 4,664 |
| | May | 5,916 | 3,927 | 1,989 | 766 | 219 | 548 | 5,150 |
| | June | 5,304 | 3,410 | 1,893 | 864 | 222 | 642 | 4,440 |
| | July | 5,387 | 3,646 | 1,741 | 536 | 108 | 429 | 4,851 |
| | August | 5,036 | 3,244 | 1,793 | 732 | 190 | 542 | 4,305 |
| | September | 5,173 | 3,294 | 1,880 | 664 | 162 | 502 | 4,510 |
| | October | 5,767 | 3,751 | 2,016 | 599 | 141 | 458 | 5,167 |
| | November* | R 5,534 | R 3,552 | R 1,983 | 854 | 202 | 652 | 4,680 |
| | December** | 5,011 | 3,317 | 1,694 | NA | NA | NA | NA |
| | Average | 5,390 | 3,419 | 1,972 | NA | NA | NA | NA |

Footnotes continued.

* See Explanatory Note 9.1.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available.

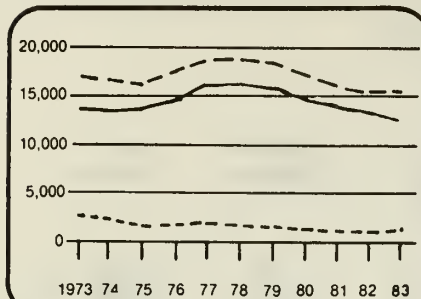
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

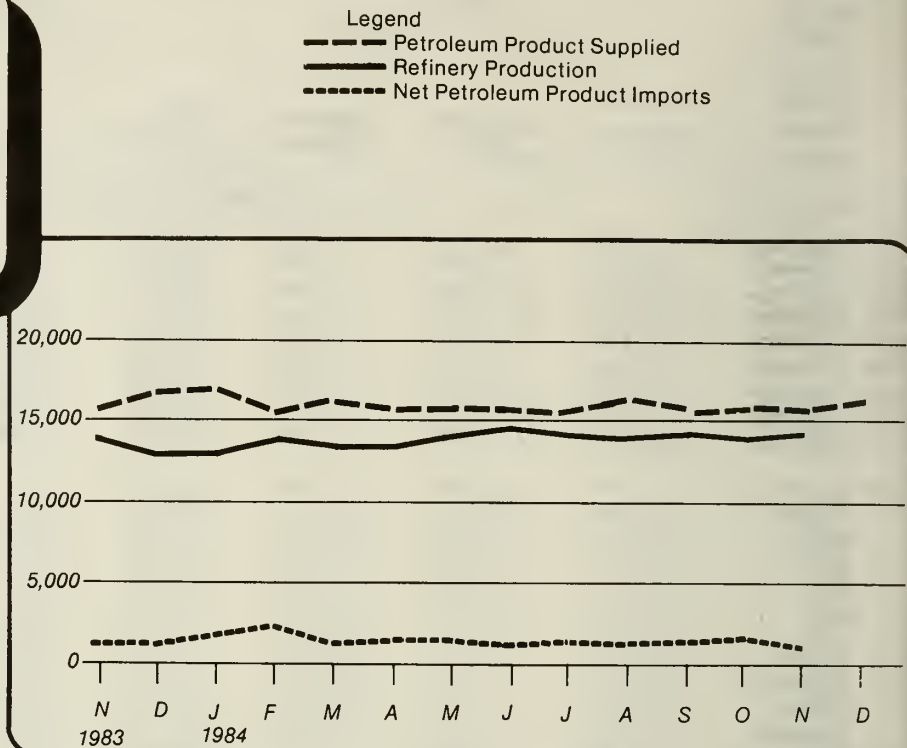
Source: See the last page of this section.

Petroleum Overview

(Thousand Barrels Per Day)

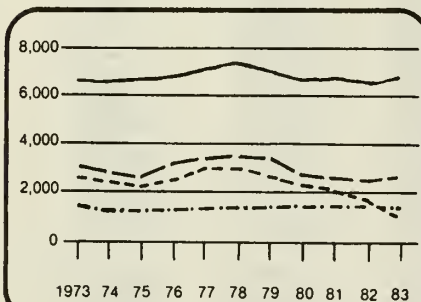


Annual

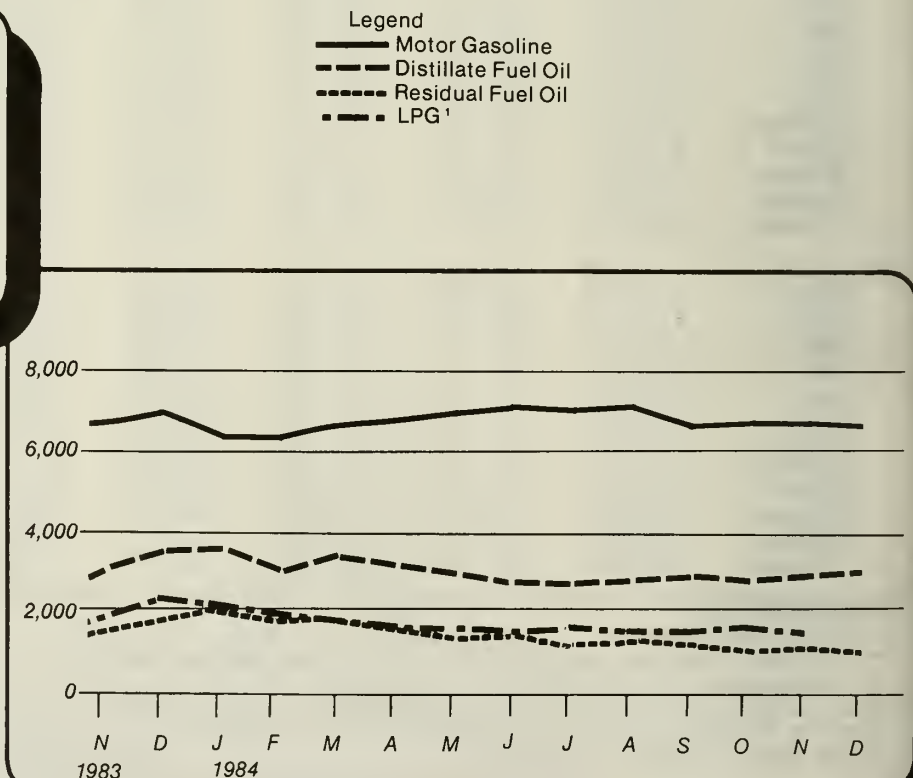


Petroleum Products Supplied

(Thousand Barrels Per Day)



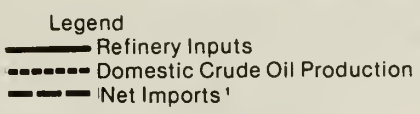
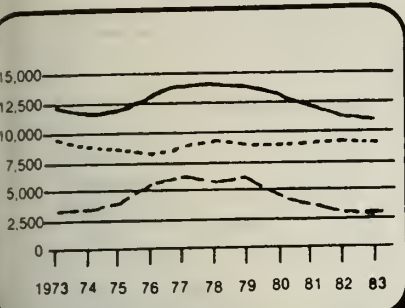
Annual



¹ Liquefied Petroleum Gases

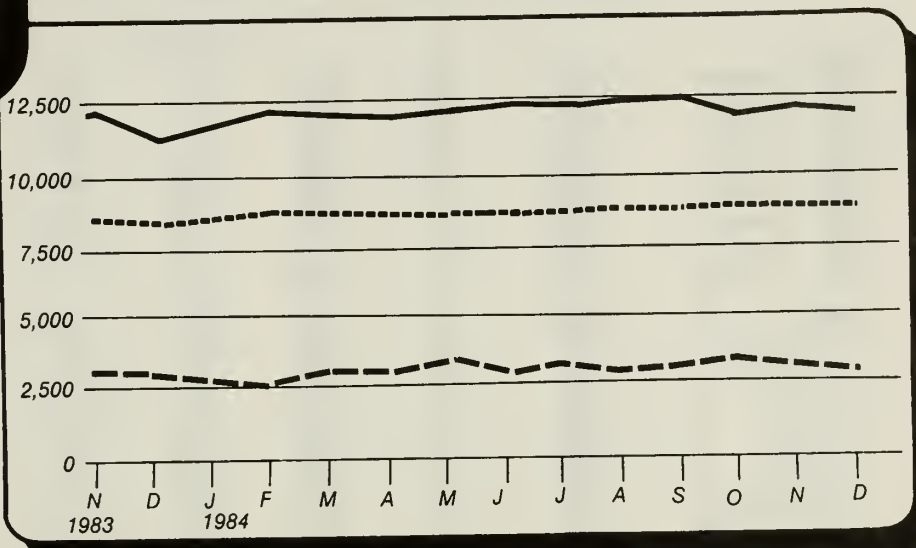
Crude Oil Supply and Disposition

(Thousand Barrels Per Day)



Annual

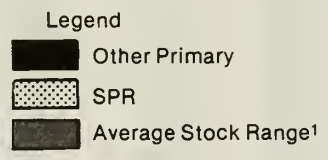
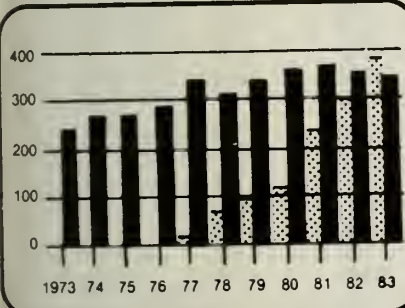
¹ Excludes SPR Imports



Monthly

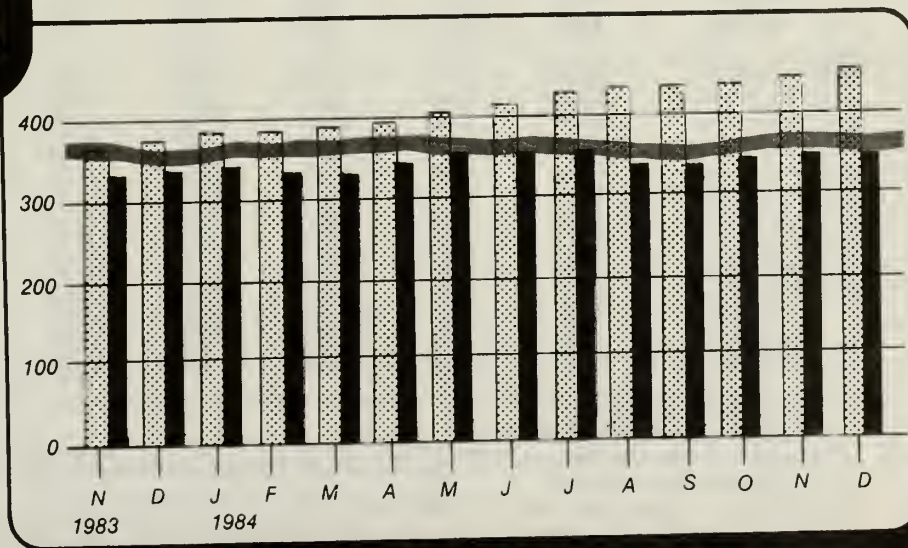
Crude Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock range for other primary crude oil based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Crude Oil¹ Supply and Disposition

| | | Supply | | | | | | |
|------|------------|--------------------------|---------|---------|------------------|---------|-------------------------------|--------------------------------------|
| | | Field Production | | Imports | | | Stock Withdrawal ³ | |
| | | Total Domestic | Alaskan | Total | SPR ⁴ | Other | SPR ⁴ | Other |
| | | Thousand Barrels per Day | | | | | | |
| | | | | | | | | Unac- counted for Crude Oil |
| 1973 | Average | 9,208 | 198 | 3,244 | | 3,244 | 11 | 3 |
| 1974 | Average | 8,774 | 193 | 3,477 | | 3,477 | -62 | -25 |
| 1975 | Average | 8,375 | 191 | 4,105 | | 4,105 | -17 | 17 |
| 1976 | Average | 8,132 | 173 | 5,287 | | 5,287 | -39 | 77 |
| 1977 | Average | 8,245 | 464 | 6,615 | 21 | 6,594 | -20 | -150 |
| 1978 | Average | 8,707 | 1,229 | 6,356 | 162 | 6,195 | -163 | 84 |
| 1979 | Average | 8,552 | 1,401 | 6,519 | 67 | 6,452 | -67 | -81 |
| 1980 | Average | 8,597 | 1,617 | 5,263 | 44 | 5,219 | -45 | -52 |
| 1981 | Average | 8,572 | 1,609 | 4,396 | 256 | 4,141 | -336 | 46 |
| 1982 | January | 8,509 | 1,705 | 3,693 | 170 | 3,523 | -159 | -242 |
| | February | 8,702 | 1,707 | 2,990 | 159 | 2,830 | -213 | -29 |
| | March | 8,667 | 1,696 | 2,874 | 185 | 2,689 | -235 | 357 |
| | April | 8,591 | 1,691 | 2,849 | 190 | 2,659 | -233 | 196 |
| | May | 8,683 | 1,707 | 3,309 | 204 | 3,105 | -176 | 205 |
| | June | 8,646 | 1,665 | 3,836 | 105 | 3,732 | -105 | 144 |
| | July | 8,658 | 1,710 | 4,248 | 97 | 4,150 | -97 | -50 |
| | August | 8,634 | 1,697 | 3,851 | 208 | 3,643 | -208 | -232 |
| | September | 8,701 | 1,705 | 3,636 | 139 | 3,497 | -143 | 406 |
| | October | 8,701 | 1,706 | 3,670 | 216 | 3,454 | -216 | -332 |
| | November | 8,697 | 1,676 | 3,862 | 180 | 3,683 | -179 | -219 |
| | December | 8,598 | 1,682 | 3,000 | 124 | 2,877 | -125 | 252 |
| | Average | 8,649 | 1,696 | 3,488 | 165 | 3,323 | -174 | 38 |
| 1983 | January | 8,697 | 1,732 | 2,964 | 219 | 2,746 | -219 | -280 |
| | February | 8,758 | 1,717 | 2,267 | 197 | 2,070 | -197 | -123 |
| | March | 8,700 | 1,732 | 2,290 | 201 | 2,089 | -184 | 267 |
| | April | 8,776 | 1,721 | 3,118 | 205 | 2,913 | -197 | -205 |
| | May | 8,631 | 1,662 | 3,360 | 289 | 3,071 | -293 | 278 |
| | June | 8,667 | 1,687 | 3,577 | 190 | 3,387 | -188 | 66 |
| | July | 8,636 | 1,715 | 3,871 | 274 | 3,597 | -264 | 497 |
| | August | 8,679 | 1,697 | 4,227 | 350 | 3,876 | -358 | -438 |
| | September | 8,784 | 1,738 | 4,210 | 309 | 3,901 | -307 | 68 |
| | October | 8,771 | 1,733 | 3,446 | 202 | 3,244 | -201 | -73 |
| | November | 8,770 | 1,720 | 3,337 | 171 | 3,166 | -135 | 250 |
| | December | 8,397 | 1,711 | 3,213 | 193 | 3,020 | -252 | -78 |
| | Average | 8,688 | 1,714 | 3,329 | 234 | 3,096 | -234 | 20 |
| 1984 | January | 8,659 | 1,741 | 3,029 | 200 | 2,829 | -173 | -169 |
| | February | 8,726 | 1,740 | 2,952 | 85 | 2,868 | -96 | 282 |
| | March | 8,718 | 1,740 | 3,455 | 148 | 3,307 | -147 | 145 |
| | April | 8,688 | 1,725 | 3,417 | 170 | 3,247 | -170 | -396 |
| | May | 8,752 | 1,793 | 3,927 | 246 | 3,681 | -245 | -371 |
| | June | 8,743 | 1,792 | 3,410 | 309 | 3,101 | -309 | 214 |
| | July | 8,769 | 1,769 | 3,646 | 329 | 3,317 | -328 | 144 |
| | August | 8,781 | 1,725 | 3,244 | 180 | 3,064 | -179 | 429 |
| | September | 8,759 | 1,725 | 3,294 | 53 | 3,240 | -53 | 320 |
| | October | 8,847 | 1,708 | 3,751 | 187 | 3,564 | -231 | -567 |
| | November* | 8,846 | 1,707 | R 3,552 | R 219 | R 3,332 | R - 160 | R - 6 |
| | December** | 8,797 | 1,658 | 3,317 | 216 | 3,102 | -217 | 138 |
| | Average | 8,757 | 1,735 | 3,419 | 196 | 3,223 | -193 | 12 |

¹ Includes lease condensate.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Strategic Petroleum Reserve.

⁵ Beginning in January 1983, crude oil used directly as fuel is shown as product supplied.

⁶ Stocks of Alaskan crude oil in transit were included beginning in January 1981. Stock withdrawals are calculated using new basis stock levels. See Explanatory Notes 10 and 11.

Footnotes continued on following page.

Crude Oil¹ Supply and Disposition (continued)

| | | Supply | Disposition | | | | Ending Stocks ² | | |
|------|------------|----------------------------------|------------------|-----------------|---------|--------------------------------|----------------------------|------------------|------------------|
| | | Crude Used Directly ⁵ | Crude Losses | Refinery Inputs | Exports | Products Supplied ⁵ | Total Crude Oil | SPR ⁴ | Other Primary |
| | | Thousand Barrels per Day | | | | | Million Barrels | | |
| 1973 | Average | -19 | 13 | 12,431 | 2 | NA | 242 | | 242 |
| 1974 | Average | -15 | 13 | 12,133 | 3 | NA | 265 | | 265 |
| 1975 | Average | -17 | 13 | 12,442 | 6 | NA | 271 | | 271 |
| 1976 | Average | -18 | 15 | 13,416 | 8 | NA | 285 | | 285 |
| 1977 | Average | -14 | 16 | 14,602 | 50 | NA | 348 | 7 | 340 |
| 1978 | Average | -14 | 16 | 14,739 | 158 | NA | 376 | 67 | 309 |
| 1979 | Average | -13 | 16 | 14,648 | 235 | NA | 430 | 91 | 339 |
| 1980 | Average | -13 | 15 | 13,481 | 287 | NA | ⁶ 466 | 108 | ⁶ 358 |
| 1981 | Average | -58 | 5 | 12,470 | 228 | NA | 594 | 230 | 363 |
| 1982 | January | -63 | 3 | 11,599 | 238 | NA | 606 | 235 | 371 |
| | February | -64 | 2 | 11,236 | 304 | NA | 613 | 241 | 372 |
| | March | -63 | 5 | 11,276 | 321 | NA | 609 | 249 | 361 |
| | April | -65 | 3 | 11,392 | 174 | NA | 610 | 256 | 355 |
| | May | -62 | 3 | 11,806 | 262 | NA | 609 | 261 | 348 |
| | June | -60 | 7 | 12,494 | 94 | NA | 608 | 264 | 344 |
| | July | -60 | 3 | 12,446 | 229 | NA | 613 | 267 | 346 |
| | August | -57 | 2 | 11,871 | 304 | NA | 626 | 274 | 353 |
| | September | -56 | 4 | 12,146 | 184 | NA | 619 | 278 | 341 |
| | October | -51 | 2 | 11,749 | 270 | NA | 636 | 285 | 351 |
| | November | -51 | 1 | 11,724 | 262 | NA | 648 | 290 | 358 |
| | December | -53 | 1 | 11,514 | 193 | NA | ⁶ 644 | 294 | 350 |
| | Average | -59 | 3 | 11,774 | 236 | NA | | | |
| 1983 | January | NA | 2 | 11,143 | 117 | 71 | 660 | 301 | 360 |
| | February | NA | 3 | 10,633 | 262 | 71 | 669 | 306 | 363 |
| | March | NA | 2 | 10,859 | 174 | 70 | 667 | 312 | 355 |
| | April | NA | 2 | 11,433 | 88 | 68 | 679 | 318 | 361 |
| | May | NA | 1 | 11,800 | 280 | 63 | 679 | 327 | 353 |
| | June | NA | (^s) | 12,284 | 144 | 64 | 683 | 332 | 351 |
| | July | NA | 2 | 12,360 | 145 | 65 | 676 | 341 | 335 |
| | August | NA | 1 | 12,152 | 172 | 64 | 700 | 352 | 349 |
| | September | NA | 1 | 12,482 | 177 | 66 | 708 | 361 | 347 |
| | October | NA | 1 | 11,782 | 140 | 63 | 716 | 367 | 349 |
| | November | NA | 2 | 12,004 | 186 | 64 | 713 | 371 | 341 |
| | December | NA | 1 | 11,234 | 95 | 67 | 723 | 379 | 344 |
| | Average | NA | 2 | 11,685 | 164 | 66 | | | |
| 1984 | January | NA | 1 | 11,579 | 153 | 64 | 733 | 384 | 348 |
| | February | NA | 1 | 12,100 | 185 | 65 | 727 | 387 | 340 |
| | March | NA | 2 | 11,936 | 236 | 62 | 728 | 392 | 336 |
| | April | NA | (^s) | 11,893 | 172 | 64 | 744 | 397 | 348 |
| | May | NA | 2 | 12,243 | 219 | 62 | 764 | 404 | 359 |
| | June | NA | 2 | 12,263 | 222 | 61 | 766 | 414 | 353 |
| | July | NA | 1 | 12,087 | 108 | 60 | 772 | 424 | 348 |
| | August | NA | 1 | 12,403 | 190 | 63 | 764 | 429 | 335 |
| | September | NA | -2 | 12,327 | 162 | 66 | 756 | 431 | 325 |
| | October | NA | -1 | 11,976 | 141 | 69 | 781 | 438 | 343 |
| | November* | NA | -1 | R12,103 | 202 | 62 | R 786 | 443 | R 343 |
| | December** | NA | NA | 11,924 | NA | NA | 792 | 450 | 342 |
| | Average | NA | NA | 12,068 | NA | NA | | | |

Footnotes continued.

* See Explanatory Note 9.2.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Crude Oil and Petroleum Product Imports

| | | Imports from OPEC Sources ¹ | | | | | | | | | |
|------|-----------|--|-------|--------------|----------------------|-----------|------|---------|-----------|-------------------------|------------------------------|
| | | Algeria | Libya | Saudi Arabia | United Arab Emirates | Indonesia | Iran | Nigeria | Venezuela | Other OPEC ² | Total Arab OPEC ³ |
| | | Thousand Barrels per Day | | | | | | | | | |
| 1973 | Average | 136 | 164 | 486 | 71 | 213 | 223 | 459 | 1,135 | 106 | 2,993 |
| 1974 | Average | 190 | 4 | 461 | 74 | 300 | 469 | 713 | 979 | 88 | 3,280 |
| 1975 | Average | 282 | 232 | 715 | 117 | 390 | 280 | 762 | 702 | 122 | 3,601 |
| 1976 | Average | 432 | 453 | 1,230 | 254 | 539 | 298 | 1,025 | 700 | 134 | 5,066 |
| 1977 | Average | 559 | 723 | 1,380 | 335 | 541 | 535 | 1,143 | 690 | 287 | 6,193 |
| 1978 | Average | 649 | 654 | 1,144 | 385 | 573 | 555 | 919 | 645 | 226 | 5,751 |
| 1979 | Average | 636 | 658 | 1,356 | 281 | 420 | 304 | 1,080 | 690 | 212 | 5,637 |
| 1980 | Average | 488 | 554 | 1,261 | 172 | 348 | 9 | 857 | 481 | 130 | 4,300 |
| 1981 | Average | 311 | 319 | 1,129 | 81 | 366 | 0 | 620 | 406 | 90 | 3,323 |
| 1982 | January | 254 | 161 | 877 | 111 | 289 | 0 | 663 | 376 | 128 | 2,859 |
| | February | 139 | 92 | 693 | 89 | 244 | 0 | 584 | 355 | 102 | 2,297 |
| | March | 91 | 37 | 555 | 155 | 200 | 0 | 522 | 399 | 91 | 2,051 |
| | April | 85 | 0 | 511 | 122 | 215 | 0 | 427 | 426 | 85 | 1,871 |
| | May | 179 | 0 | 601 | 116 | 236 | 0 | 222 | 422 | 54 | 1,830 |
| | June | 115 | 0 | 593 | 94 | 215 | 72 | 537 | 361 | 110 | 2,096 |
| | July | 159 | 0 | 660 | 108 | 327 | 69 | 910 | 356 | 95 | 2,685 |
| | August | 181 | 0 | 489 | 133 | 271 | 27 | 574 | 299 | 133 | 2,107 |
| | September | 179 | 0 | 432 | 57 | 191 | 21 | 477 | 518 | 69 | 1,943 |
| | October | 249 | 7 | 494 | 61 | 242 | 108 | 313 | 504 | 106 | 2,084 |
| | November | 247 | 14 | 489 | 47 | 283 | 34 | 479 | 528 | 115 | 2,235 |
| | December | 155 | 0 | 237 | 12 | 265 | 88 | 462 | 399 | 73 | 1,690 |
| | Average | 170 | 26 | 552 | 92 | 248 | 35 | 514 | 412 | 97 | 2,146 |
| 1983 | January | 207 | 0 | 282 | 47 | 255 | 43 | 186 | 337 | 54 | 1,412 |
| | February | 115 | 0 | 214 | 9 | 217 | 0 | 92 | 393 | 28 | 1,068 |
| | March | 63 | 0 | 103 | 0 | 138 | 0 | 121 | 440 | 201 | 1,066 |
| | April | 227 | 0 | 162 | (s) | 210 | 0 | 186 | 523 | 125 | 1,432 |
| | May | 286 | 0 | 122 | 12 | 405 | 37 | 385 | 455 | 69 | 1,771 |
| | June | 300 | 0 | 188 | 40 | 466 | 38 | 467 | 335 | 138 | 1,973 |
| | July | 283 | 0 | 182 | 64 | 464 | 112 | 525 | 434 | 187 | 2,251 |
| | August | 378 | 0 | 448 | 52 | 433 | 213 | 464 | 511 | 230 | 2,728 |
| | September | 423 | 0 | 587 | 21 | 501 | 86 | 324 | 432 | 221 | 2,595 |
| | October | 261 | 0 | 638 | 16 | 368 | 12 | 307 | 337 | 169 | 2,108 |
| | November | 184 | 0 | 545 | 56 | 302 | 21 | 215 | 452 | 135 | 1,910 |
| | December | 144 | 0 | 569 | 45 | 294 | 9 | 329 | 415 | 163 | 1,969 |
| | Average | 240 | 0 | 337 | 30 | 338 | 48 | 302 | 422 | 144 | 1,862 |
| 1984 | January | 242 | 0 | 463 | 114 | 278 | 0 | 243 | 547 | 51 | 1,939 |
| | February | 348 | 0 | 324 | 33 | 267 | 0 | 244 | 481 | 174 | 1,871 |
| | March | 283 | 0 | 307 | 112 | 284 | 67 | 260 | 354 | 127 | 1,792 |
| | April | 280 | 0 | 320 | 95 | 221 | 0 | 288 | 581 | 158 | 1,944 |
| | May | 456 | 0 | 329 | 240 | 480 | 0 | 289 | 621 | 242 | 2,657 |
| | June | 284 | 0 | 411 | 46 | 415 | 0 | 243 | 574 | 139 | 2,112 |
| | July | 332 | 0 | 429 | 112 | 384 | 0 | 204 | 535 | 242 | 2,237 |
| | August | 404 | 0 | 438 | 82 | 281 | 0 | 114 | 487 | 216 | 2,021 |
| | September | 343 | 0 | 159 | 113 | 333 | 17 | 160 | 689 | 147 | 1,961 |
| | October | 333 | 0 | 287 | 114 | 436 | 0 | 208 | 578 | 115 | 2,070 |
| | November | 295 | 0 | 183 | 124 | 409 | 24 | 163 | 536 | 173 | 1,907 |
| | AVERAGE | 327 | 0 | 333 | 108 | 345 | 10 | 220 | 544 | 162 | 2,048 |

¹ Excludes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

² Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.

³ Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

Footnotes continued on following page.

Crude Oil and Petroleum Product Imports (continued)

| | | Imports from Non-OPEC Sources ⁴ | | | | | | | | | | |
|------|-----------|--|--------|--------|------------------------------|---------------------------|-------------------|----------------|-------------------|----------------------|----------------------|------------------|
| | | Baha- mas | Canada | Mexico | Nether- lands Antilles | Trinidad and Tobago | United Kingdom | Puerto Rico | Virgin Islands | Other Non OPEC | Total Non OPEC | Total Imports |
| | | Thousand Barrels per Day | | | | | | | | | | |
| 1973 | Average | 174 | 1,325 | 16 | 585 | 255 | 15 | 99 | 329 | 465 | 3,263 | 6,256 |
| 1974 | Average | 164 | 1,070 | 8 | 511 | 251 | 8 | 90 | 391 | 340 | 2,832 | 6,112 |
| 1975 | Average | 152 | 846 | 71 | 332 | 242 | 14 | 90 | 406 | 300 | 2,454 | 6,056 |
| 1976 | Average | 118 | 599 | 87 | 275 | 274 | 31 | 88 | 422 | 353 | 2,247 | 7,313 |
| 1977 | Average | 171 | 517 | 179 | 211 | 289 | 126 | 105 | 466 | 550 | 2,614 | 8,807 |
| 1978 | Average | 160 | 467 | 318 | 229 | 253 | 180 | 94 | 429 | 484 | 2,613 | 8,363 |
| 1979 | Average | 147 | 538 | 439 | 231 | 190 | 202 | 92 | 431 | 548 | 2,819 | 8,456 |
| 1980 | Average | 78 | 455 | 533 | 225 | 176 | 176 | 88 | 388 | 491 | 2,609 | 6,909 |
| 1981 | Average | 74 | 447 | 522 | 197 | 133 | 375 | 62 | 327 | 534 | 2,672 | 5,996 |
| 1982 | January | 58 | 513 | 425 | 179 | 106 | 346 | 62 | 334 | 452 | 2,474 | 5,332 |
| | February | 67 | 537 | 476 | 221 | 120 | 181 | 38 | 362 | 508 | 2,510 | 4,807 |
| | March | 43 | 437 | 503 | 189 | 118 | 294 | 62 | 307 | 480 | 2,433 | 4,484 |
| | April | 82 | 360 | 476 | 184 | 166 | 247 | 36 | 266 | 690 | 2,507 | 4,387 |
| | May | 77 | 419 | 766 | 152 | 95 | 516 | 47 | 302 | 607 | 2,981 | 4,811 |
| | June | 32 | 481 | 797 | 148 | 129 | 557 | 58 | 322 | 708 | 3,231 | 5,327 |
| | July | 64 | 536 | 783 | 158 | 118 | 433 | 38 | 376 | 698 | 3,204 | 5,890 |
| | August | 80 | 443 | 853 | 145 | 106 | 520 | 24 | 317 | 650 | 3,137 | 5,244 |
| | September | 92 | 493 | 897 | 195 | 89 | 631 | 51 | 278 | 746 | 3,472 | 5,414 |
| | October | 45 | 459 | 682 | 148 | 109 | 666 | 52 | 262 | 801 | 3,222 | 5,306 |
| | November | 51 | 553 | 860 | 212 | 90 | 623 | 81 | 334 | 706 | 3,508 | 5,744 |
| | December | 88 | 561 | 689 | 174 | 102 | 438 | 48 | 336 | 480 | 2,916 | 4,606 |
| | Average | 65 | 482 | 685 | 175 | 112 | 456 | 50 | 316 | 627 | 2,968 | 5,113 |
| 1983 | January | 68 | 534 | 849 | 228 | 73 | 314 | 40 | 299 | 621 | 3,026 | 4,438 |
| | February | 92 | 586 | 722 | 183 | 81 | 193 | 50 | 192 | 558 | 2,658 | 3,726 |
| | March | 86 | 488 | 775 | 187 | 78 | 240 | 43 | 162 | 565 | 2,624 | 3,690 |
| | April | 174 | 454 | 981 | 216 | 85 | 421 | 20 | 183 | 759 | 3,295 | 4,727 |
| | May | 135 | 518 | 944 | 153 | 108 | 484 | 42 | 235 | 699 | 3,318 | 5,089 |
| | June | 137 | 586 | 830 | 173 | 120 | 440 | 48 | 262 | 757 | 3,353 | 5,326 |
| | July | 69 | 634 | 849 | 198 | 107 | 369 | 37 | 364 | 864 | 3,490 | 5,741 |
| | August | 144 | 542 | 906 | 197 | 90 | 461 | 40 | 313 | 738 | 3,431 | 6,159 |
| | September | 148 | 533 | 849 | 261 | 82 | 475 | 33 | 307 | 845 | 3,534 | 6,129 |
| | October | 171 | 532 | 771 | 172 | 106 | 414 | 48 | 357 | 580 | 3,151 | 5,258 |
| | November | 148 | 556 | 726 | 144 | 110 | 334 | 55 | 427 | 801 | 3,300 | 5,210 |
| | December | 127 | 604 | 710 | 153 | 113 | 429 | 22 | 278 | 628 | 3,063 | 5,033 |
| | Average | 125 | 547 | 826 | 189 | 96 | 382 | 40 | 282 | 701 | 3,189 | 5,051 |
| 1984 | January | 152 | 624 | 705 | 277 | 54 | 382 | 53 | 390 | 772 | 3,408 | 5,347 |
| | February | 142 | 620 | 747 | 288 | 77 | 338 | 58 | 418 | 1,083 | 3,772 | 5,643 |
| | March | 88 | 726 | 707 | 169 | 93 | 400 | 34 | 247 | 996 | 3,460 | 5,253 |
| | April | 88 | 691 | 859 | 207 | 91 | 282 | 37 | 257 | 863 | 3,375 | 5,319 |
| | May | 31 | 715 | 675 | 192 | 57 | 418 | 38 | 336 | 796 | 3,259 | 5,916 |
| | June | 50 | 499 | 732 | 234 | 104 | 318 | 53 | 268 | 934 | 3,192 | 5,304 |
| | July | 14 | 574 | 738 | 99 | 120 | 362 | 27 | 292 | 924 | 3,150 | 5,387 |
| | August | 57 | 551 | 621 | 205 | 98 | 388 | 34 | 236 | 826 | 3,015 | 5,036 |
| | September | 101 | 537 | 762 | 133 | 103 | 490 | 38 | 245 | 803 | 3,213 | 5,173 |
| | October | 152 | 685 | 827 | 112 | 122 | 486 | 37 | 321 | 955 | 3,697 | 5,767 |
| | November | 88 | 637 | 822 | 174 | 115 | 544 | 44 | 283 | 921 | 3,628 | 5,534 |
| | AVERAGE | 87 | 624 | 744 | 189 | 94 | 401 | 41 | 299 | 897 | 3,377 | 5,425 |

Footnotes continued.

⁴ Includes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

(⁵) = Less than 500 barrels per day.

Note: Beginning in October 1977, Strategic Petroleum Reserve imports are included.

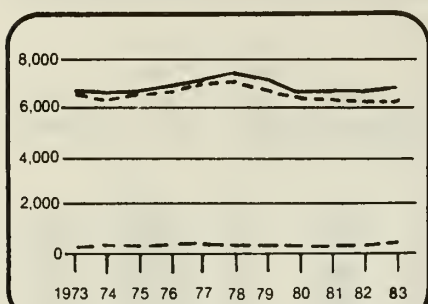
Total may not equal sum of components due to independent rounding.

Geographic coverage: The 50 United States and the District of Columbia.

Source: See the last page of this section.

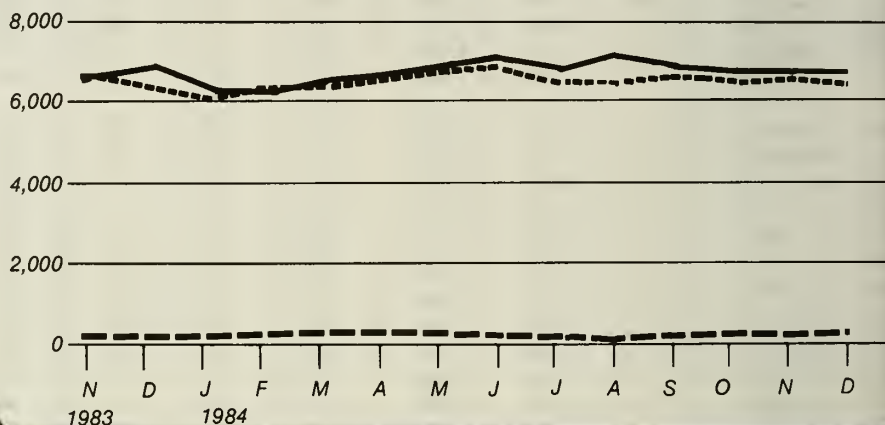
Motor Gasoline Supply and Disposition

(Thousand Barrels Per Day)



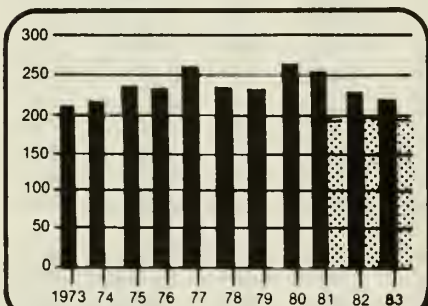
Legend
 — Product Supplied
 - - - Finished Gasoline Production
 . . . Finished Gasoline Imports

Annual



Motor Gasoline Ending Stocks

(Million Barrels)

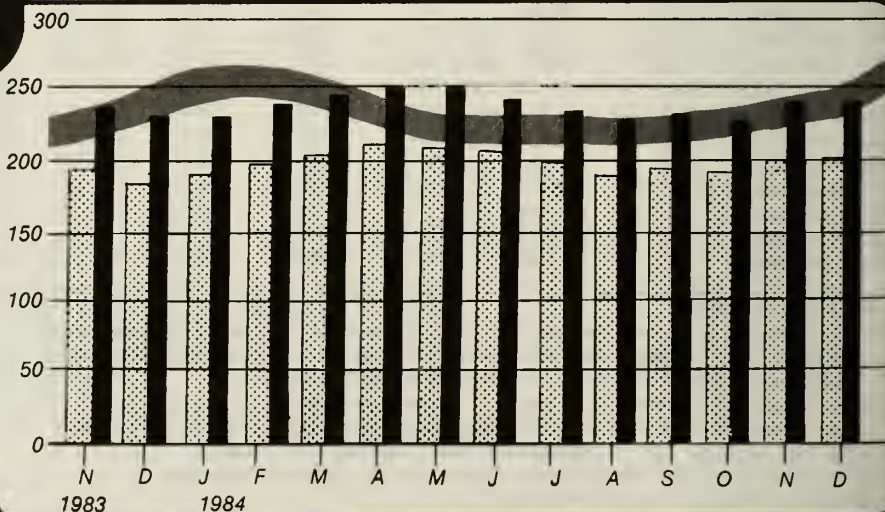


Legend
 ■ Total Motor Gasoline¹
 ■ Finished Motor Gasoline
 ■ Average Stock Range²

Annual

¹ Includes motor gasoline blending components and finished motor gasoline.

² Level and width of Average Stock Range for total motor gasoline based on 3 years of data, Jul. 81-Jun. 84. See Explanatory Note 6.



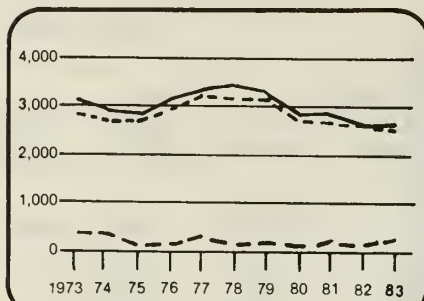
nished Motor Gasoline Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ¹ | | |
|--------------------------|----------------------|--------------------------|----------------------|---|-------------|-------------------|-----------------------|---|-------------------------------|------------------|
| | | Total Produc- tion | Imports ² | Stock With- drawal ^{2 3} | Exports | Products Supplied | | Total Motor Gasoline ⁵ | Finished Motor Gasoline | |
| | | | | | | Total | Unleaded ⁴ | | | Unleaded |
| | | | | | | | | | | |
| Thousand Barrels per Day | | | | | | | Percent of Total | Million Barrels | | |
| 73 | Average | 6,535 | 134 | 9 | 4 | 6,674 | NA | NA | 209 | |
| 74 | Average | 6,360 | 204 | -24 | 2 | 6,537 | NA | NA | ⁶ 218 | |
| 75 | Average | 6,520 | 184 | ⁶ -28 | 2 | 6,675 | NA | NA | 235 | |
| 76 | Average | 6,841 | 131 | 10 | 3 | 6,978 | NA | NA | 231 | |
| 77 | Average | 7,033 | 217 | -72 | 2 | 7,177 | 1,976 | 27.5 | 258 | |
| 78 | Average | 7,169 | 190 | 54 | 1 | 7,412 | 2,521 | 34.0 | 238 | |
| 79 | Average | 6,852 | 181 | 2 | 0 | 7,034 | 2,798 | 39.8 | 237 | |
| 80 | Average | 6,506 | 140 | -66 | 1 | 6,579 | 3,067 | 46.6 | ⁶ 261 | |
| 81 | Average ⁷ | 6,405 | 157 | ⁶ 28 | 2 | 6,588 | 3,264 | 49.5 | 253 | |
| | | | | | | | | | | |
| 82 | January | 6,167 | 128 | -316 | 18 | 5,961 | 3,067 | 51.5 | 261 | 213 |
| | February | 5,899 | 133 | 172 | 8 | 6,196 | 3,210 | 51.8 | 257 | 208 |
| | March | 5,994 | 183 | 334 | 44 | 6,466 | 3,358 | 51.9 | 247 | 198 |
| | April | 6,095 | 185 | 650 | 33 | 6,897 | 3,495 | 50.7 | 221 | 179 |
| | May | 6,319 | 182 | 177 | 23 | 6,655 | 3,415 | 51.3 | 214 | 173 |
| | June | 6,754 | 230 | -134 | 14 | 6,835 | 3,565 | 52.2 | 219 | 177 |
| | July | 6,768 | 225 | -178 | 24 | 6,790 | 3,577 | 52.7 | 226 | 183 |
| | August | 6,419 | 291 | -81 | 16 | 6,614 | 3,526 | 53.3 | 227 | 185 |
| | September | 6,527 | 223 | -198 | 22 | 6,531 | 3,404 | 52.1 | 234 | 191 |
| | October | 6,262 | 185 | -42 | 15 | 6,391 | 3,351 | 52.4 | 234 | 192 |
| | November | 6,273 | 211 | 101 | 11 | 6,574 | 3,451 | 52.5 | 230 | 189 |
| | December | 6,542 | 178 | -165 | 7 | 6,549 | 3,485 | 53.2 | ⁶ 235 | ⁶ 194 |
| | Average | 6,338 | 197 | 25 | 20 | 6,539 | 3,409 | 52.1 | | |
| | | | | | | | | | | |
| 83 | January | 6,065 | 153 | ⁶ -167 | 0 | 6,051 | 3,364 | 55.6 | 250 | 207 |
| | February | 5,848 | 128 | 24 | 0 | 6,000 | 3,264 | 54.4 | 250 | 207 |
| | March | 5,906 | 186 | 768 | 23 | 6,836 | 3,622 | 53.0 | 223 | 183 |
| | April | 6,201 | 255 | -3 | 1 | 6,452 | 3,492 | 54.1 | 221 | 183 |
| | May | 6,397 | 305 | -83 | 1 | 6,617 | 3,558 | 53.8 | 223 | 185 |
| | June | 6,655 | 277 | 84 | 22 | 6,994 | 3,792 | 54.2 | 223 | 183 |
| | July | 6,707 | 302 | -225 | 18 | 6,765 | 3,746 | 55.4 | 231 | 190 |
| | August | 6,537 | 250 | 161 | 13 | 6,936 | 3,836 | 55.3 | 226 | 185 |
| | September | 6,611 | 279 | -149 | 14 | 6,727 | 3,691 | 54.9 | 229 | 189 |
| | October | 6,188 | 330 | 72 | 2 | 6,588 | 3,711 | 56.3 | 227 | 187 |
| | November | 6,634 | 269 | -298 | 2 | 6,603 | 3,692 | 55.9 | 236 | 196 |
| | December | 6,308 | 224 | 339 | 25 | 6,846 | 3,966 | 57.9 | 222 | 186 |
| | Average | 6,340 | 247 | 45 | 10 | 6,622 | 3,647 | 55.1 | | |
| | | | | | | | | | | |
| 84 | January | 6,037 | 233 | -1 | 1 | 6,268 | 3,606 | 57.5 | 225 | 186 |
| | February | 6,320 | 303 | -384 | 2 | 6,237 | 3,585 | 57.5 | 237 | 197 |
| | March | 6,375 | 343 | -197 | 9 | 6,512 | 3,747 | 57.5 | 243 | 203 |
| | April | 6,528 | 308 | -153 | 0 | 6,682 | 3,854 | 57.7 | 248 | 207 |
| | May | 6,650 | 329 | -106 | 0 | 6,873 | 3,990 | 58.1 | 253 | 211 |
| | June | 6,620 | 272 | 217 | 17 | 7,092 | 4,210 | 59.4 | 245 | 204 |
| | July | 6,481 | 247 | 130 | 9 | 6,849 | 4,094 | 59.8 | 239 | 200 |
| | August | 6,436 | 243 | 437 | 1 | 7,114 | 4,263 | 59.9 | 225 | 187 |
| | September | 6,545 | 333 | -263 | 2 | 6,614 | 3,982 | 60.2 | 235 | 194 |
| | October | 6,396 | 293 | 42 | 1 | 6,730 | 4,074 | 60.5 | 233 | 193 |
| | November* | R 6,705 | R 286 | R -175 | 11 | R 6,805 | 4,243 | 62.3 | R 240 | R 198 |
| | December** | 6,536 | 297 | -54 | NA | 6,778 | NA | NA | 239 | 201 |
| | Average | 6,468 | 290 | -40 | NA | 6,715 | NA | NA | | |

¹ Stocks are totals as of end of period.
² Beginning in 1981, excludes blending components.
³ A negative number indicates an increase in stocks and a positive number indicates a decrease.
⁴ Includes gasohol.
⁵ Includes motor gasoline blending components.
⁶ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.
⁷ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.
* See Explanatory Note 9.3.
** Italics denote estimates based upon preliminary data. See Explanatory Note 8.
R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.
Note: Geographic coverage is the 50 United States and the District of Columbia.
Total may not equal sum of components due to independent rounding.
Source: See the last page of this section.

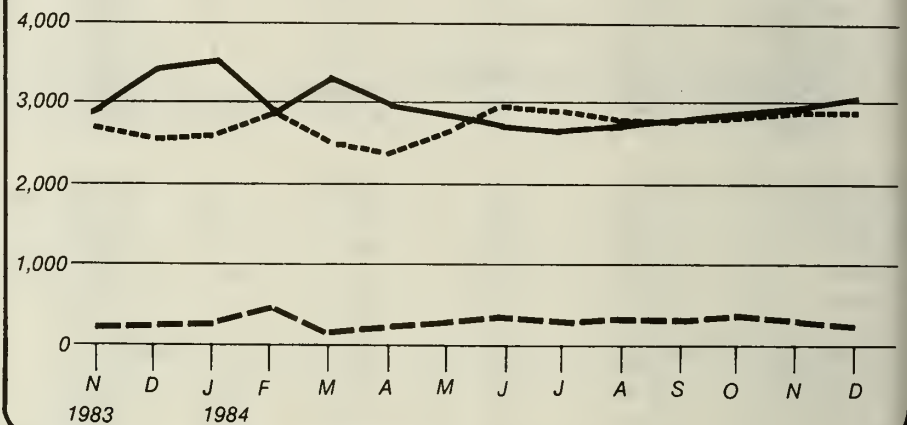
Distillate Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)



Annual

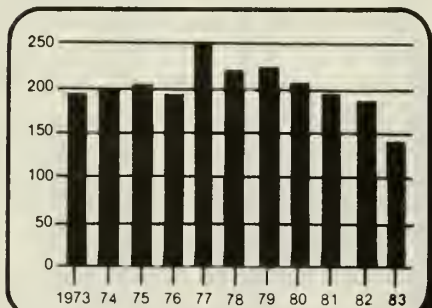
Legend
 — Product Supplied
 - - - Total Production
 . . . Imports



Month

Distillate Fuel Oil Ending Stocks

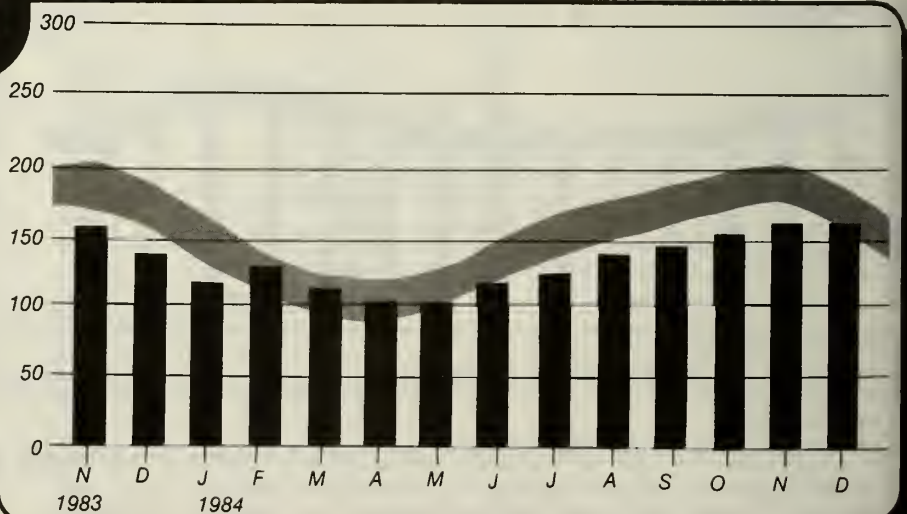
(Million Barrels)



Annual

Legend
 ■ Average Stock Range ¹

¹ Level and width of Average Stock Range for distillate fuel oil is based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Month

Distillate Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 2,822 | 392 | -115 | 2 | 9 | 3,092 | 196 |
| 1974 | Average | 2,669 | 289 | -9 | 2 | 2 | 2,948 | ⁴ 200 |
| 1975 | Average | 2,654 | 155 | ⁴ 40 | 2 | 1 | 2,851 | 209 |
| 1976 | Average | 2,924 | 146 | 62 | 1 | 1 | 3,133 | 186 |
| 1977 | Average | 3,278 | 250 | -176 | 1 | 1 | 3,352 | 250 |
| 1978 | Average | 3,167 | 173 | 93 | 1 | 3 | 3,432 | 216 |
| 1979 | Average | 3,153 | 193 | -34 | 1 | 3 | 3,311 | 229 |
| 1980 | Average | 2,662 | 142 | 64 | 1 | 3 | 2,866 | ⁴ 205 |
| 1981 | Average ⁵ | 2,613 | 173 | ⁴ 38 | 10 | 5 | 2,829 | 192 |
| | | | | | | | | |
| 1982 | January | 2,606 | 97 | 876 | 10 | 90 | 3,484 | 164 |
| | February | 2,427 | 132 | 605 | 11 | 90 | 3,085 | 147 |
| | March | 2,288 | 48 | 682 | 10 | 84 | 2,945 | 126 |
| | April | 2,358 | 59 | 612 | 13 | 64 | 2,978 | 108 |
| | May | 2,618 | 74 | -183 | 10 | 75 | 2,444 | 114 |
| | June | 2,729 | 102 | -335 | 10 | 55 | 2,452 | 124 |
| | July | 2,734 | 125 | -789 | 11 | 24 | 2,058 | 148 |
| | August | 2,507 | 80 | -339 | 10 | 40 | 2,218 | 159 |
| | September | 2,657 | 61 | -85 | 12 | 139 | 2,507 | 161 |
| | October | 2,838 | 91 | -289 | 8 | 66 | 2,581 | 170 |
| | November | 2,860 | 145 | -514 | 8 | 24 | 2,475 | 186 |
| | December | 2,655 | 109 | 225 | 10 | 143 | 2,855 | ⁴ 179 |
| | Average | 2,606 | 93 | 35 | 10 | 74 | 2,671 | |
| | | | | | | | | |
| 1983 | January | 2,321 | 68 | ⁴ 580 | NA | 173 | 2,797 | 168 |
| | February | 2,135 | 59 | 691 | NA | 105 | 2,780 | 148 |
| | March | 1,993 | 42 | 971 | NA | 59 | 2,947 | 118 |
| | April | 2,171 | 73 | 500 | NA | 47 | 2,697 | 103 |
| | May | 2,444 | 147 | -186 | NA | 50 | 2,354 | 109 |
| | June | 2,546 | 179 | -161 | NA | 40 | 2,524 | 114 |
| | July | 2,604 | 267 | -546 | NA | 55 | 2,270 | 131 |
| | August | 2,615 | 301 | -379 | NA | 43 | 2,495 | 142 |
| | September | 2,739 | 259 | -386 | NA | 37 | 2,575 | 154 |
| | October | 2,681 | 260 | -276 | NA | 55 | 2,611 | 163 |
| | November | 2,680 | 203 | 45 | NA | 54 | 2,874 | 161 |
| | December | 2,522 | 221 | 676 | NA | 54 | 3,365 | 140 |
| | Average | 2,456 | 174 | 124 | NA | 64 | 2,690 | |
| | | | | | | | | |
| 1984 | January | 2,585 | 270 | 676 | NA | 40 | 3,490 | 119 |
| | February | 2,864 | 458 | -439 | NA | 41 | 2,842 | 132 |
| | March | 2,480 | 115 | 727 | NA | 66 | 3,256 | 110 |
| | April | 2,347 | 220 | 393 | NA | 32 | 2,929 | 98 |
| | May | 2,633 | 252 | -10 | NA | 48 | 2,827 | 98 |
| | June | 2,879 | 266 | -490 | NA | 53 | 2,602 | 113 |
| | July | 2,736 | 198 | -375 | NA | 40 | 2,518 | 125 |
| | August | 2,678 | 263 | -291 | NA | 74 | 2,575 | 134 |
| | September | 2,724 | 285 | -322 | NA | 22 | 2,665 | 143 |
| | October | 2,692 | 424 | -295 | NA | 47 | 2,773 | 152 |
| | November* | R 2,821 | R 308 | R -281 | NA | 24 | R 2,824 | 161 |
| | December** | 2,829 | 239 | -9 | NA | NA | 3,028 | 161 |
| | Average | 2,688 | 274 | -56 | NA | NA | 2,862 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (*) = Less than 500 barrels per day.

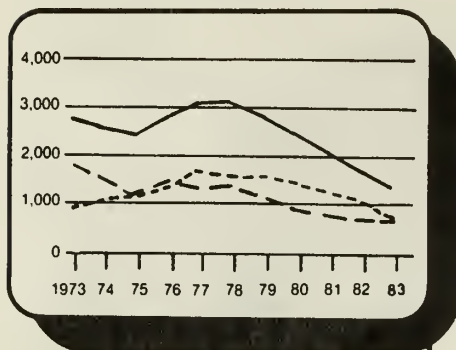
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

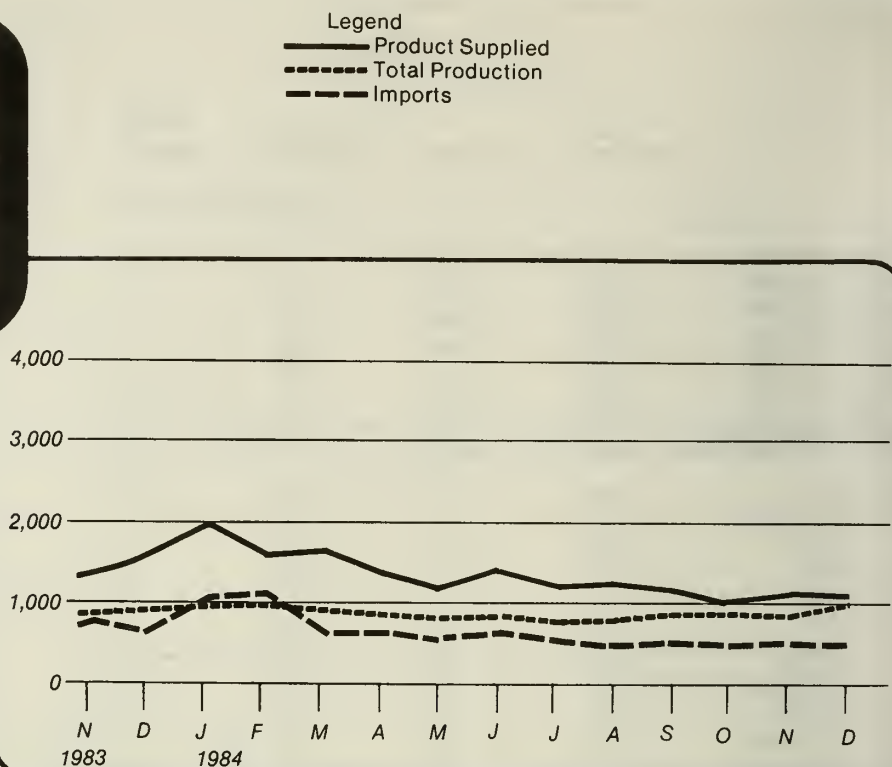
Source: See the last page of this section.

Residual Fuel Oil Supply and Disposition

(Thousand Barrels Per Day)

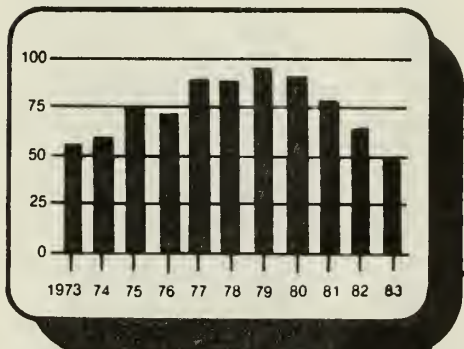


Annual



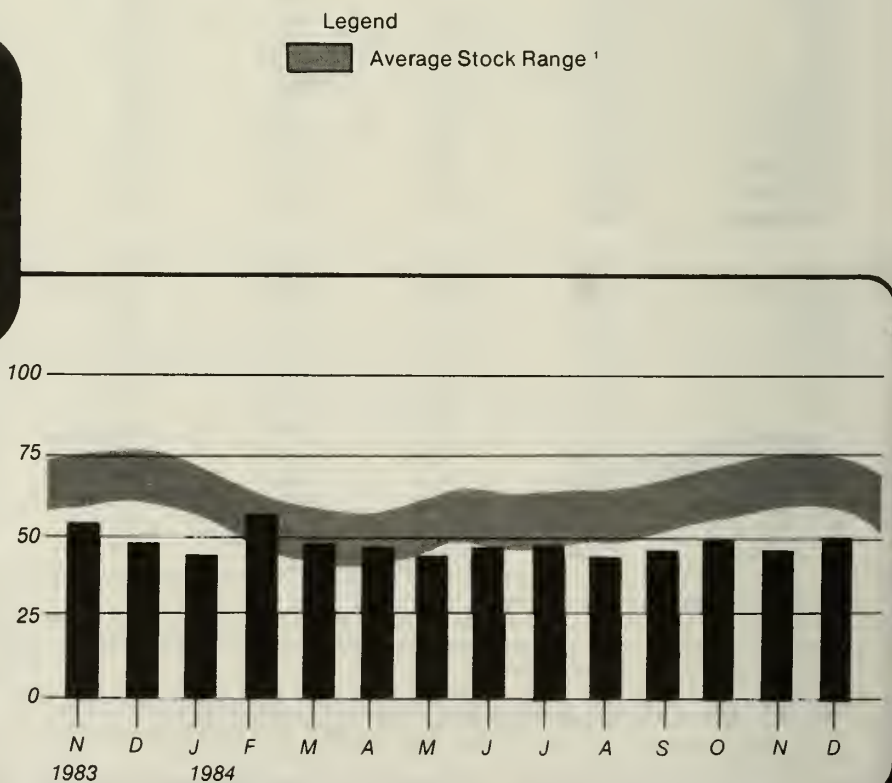
Residual Fuel Oil Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for residual fuel oil based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Residual Fuel Oil Supply and Disposition

| | Supply | | | | Disposition | | Ending Stocks ¹ |
|---------------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 Average | 971 | 1,853 | 5 | 17 | 23 | 2,822 | 53 |
| 1974 Average | 1,070 | 1,587 | -17 | 13 | 14 | 2,639 | ⁴ 60 |
| 1975 Average | 1,235 | 1,223 | ⁴ 2 | 15 | 15 | 2,462 | 74 |
| 1976 Average | 1,377 | 1,413 | 5 | 17 | 12 | 2,801 | 72 |
| 1977 Average | 1,754 | 1,359 | -48 | 13 | 6 | 3,071 | 90 |
| 1978 Average | 1,667 | 1,355 | -1 | 13 | 13 | 3,023 | 90 |
| 1979 Average | 1,687 | 1,151 | -15 | 12 | 9 | 2,826 | 96 |
| 1980 Average | 1,580 | 939 | 10 | 12 | 33 | 2,508 | ⁴ 92 |
| 1981 Average ⁵ | 1,321 | 800 | ⁴ 37 | 48 | 118 | 2,088 | 78 |
| 1982 January | 1,235 | 831 | 301 | 53 | 235 | 2,185 | 69 |
| February | 1,186 | 956 | 363 | 53 | 213 | 2,344 | 58 |
| March | 1,123 | 912 | 12 | 53 | 197 | 1,903 | 58 |
| April | 1,166 | 788 | 150 | 52 | 234 | 1,923 | 54 |
| May | 1,128 | 742 | -172 | 52 | 191 | 1,560 | 59 |
| June | 1,074 | 652 | -57 | 50 | 217 | 1,501 | 61 |
| July | 1,028 | 657 | 56 | 49 | 239 | 1,550 | 59 |
| August | 965 | 551 | 203 | 47 | 235 | 1,531 | 53 |
| September | 1,008 | 872 | -306 | 44 | 148 | 1,470 | 62 |
| October | 955 | 783 | -57 | 43 | 234 | 1,490 | 64 |
| November | 989 | 837 | -94 | 43 | 182 | 1,591 | 66 |
| December | 989 | 747 | 6 | 43 | 186 | 1,598 | ⁴ 66 |
| Average | 1,070 | 776 | 32 | 48 | 209 | 1,716 | |
| 1983 January | 972 | 691 | ⁴ 258 | NA | 294 | 1,626 | 61 |
| February | 857 | 647 | 257 | NA | 191 | 1,570 | 53 |
| March | 835 | 686 | 227 | NA | 169 | 1,579 | 46 |
| April | 941 | 753 | -10 | NA | 310 | 1,374 | 47 |
| May | 936 | 738 | -141 | NA | 190 | 1,342 | 51 |
| June | 828 | 677 | 36 | NA | 218 | 1,323 | 50 |
| July | 769 | 684 | -64 | NA | 90 | 1,299 | 52 |
| August | 710 | 739 | 115 | NA | 165 | 1,400 | 48 |
| September | 826 | 706 | -47 | NA | 134 | 1,351 | 50 |
| October | 807 | 638 | -50 | NA | 153 | 1,243 | 51 |
| November | 845 | 780 | -97 | NA | 167 | 1,362 | 54 |
| December | 897 | 649 | 182 | NA | 141 | 1,587 | 49 |
| Average | 852 | 699 | 55 | NA | 185 | 1,421 | |
| 1984 January | 953 | 1,061 | 119 | NA | 151 | 1,981 | 45 |
| February | 1,003 | 1,107 | -420 | NA | 87 | 1,602 | 58 |
| March | 887 | 633 | 321 | NA | 204 | 1,637 | 48 |
| April | 840 | 637 | 9 | NA | 130 | 1,357 | 47 |
| May | 829 | 554 | 35 | NA | 200 | 1,218 | 46 |
| June | 841 | 676 | -17 | NA | 176 | 1,324 | 47 |
| July | 792 | 596 | -77 | NA | 99 | 1,213 | 49 |
| August | 808 | 572 | 146 | NA | 260 | 1,266 | 45 |
| September | 861 | 596 | -77 | NA | 214 | 1,165 | 47 |
| October | 912 | 461 | -123 | NA | 174 | 1,075 | 51 |
| November* | R 936 | R 588 | R 119 | NA | 286 | R 1,357 | R 47 |
| December** | 1,029 | 556 | -115 | NA | NA | 1,270 | 53 |
| Average | 891 | 668 | -5 | NA | NA | 1,372 | |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

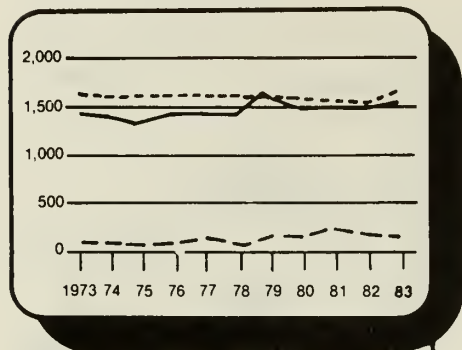
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

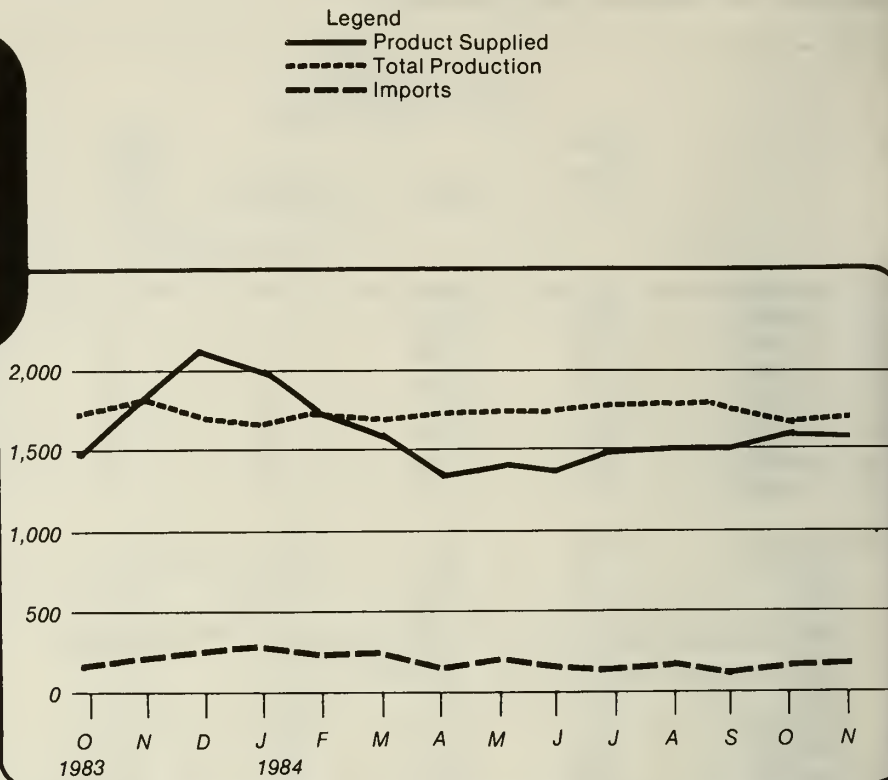
Source: See the last page of this section.

Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels Per Day)



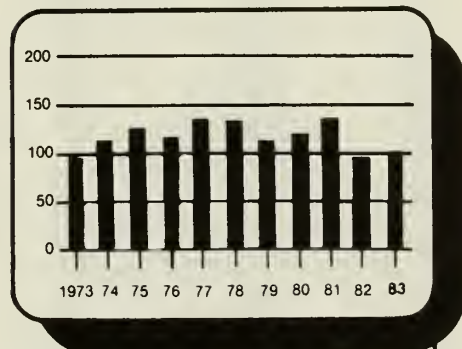
Annual



Month

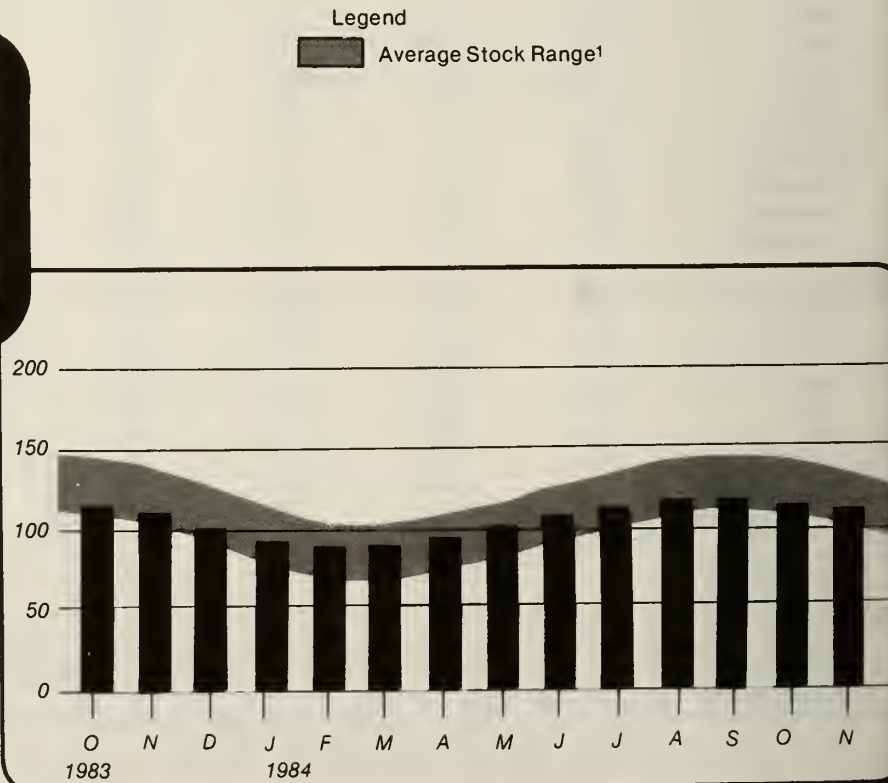
Liquefied Petroleum Gases Ending Stocks

(Million Barrels)



Annual

¹ Level and width of Average Stock Range for liquefied petroleum gas based on 3 years of data. Jul. 81-Jun. 84. See Explanatory Note 6.



Month

Liquefied Petroleum Gases¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|----------------------------------|--------------------|---------|----------------------|-------------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 1,600 | 132 | -35 | 220 | 27 | 1,449 | 99 |
| 1974 | Average | 1,565 | 123 | -38 | 220 | 25 | 1,406 | ⁴ 113 |
| 1975 | Average | 1,527 | 112 | ⁴ -35 | 246 | 26 | 1,333 | 125 |
| 1976 | Average | 1,535 | 130 | 24 | 260 | 25 | 1,404 | 116 |
| 1977 | Average | 1,566 | 161 | -55 | 233 | 18 | 1,422 | 136 |
| 1978 | Average | 1,537 | 123 | 12 | 239 | 20 | 1,413 | 132 |
| 1979 | Average | 1,556 | 217 | 70 | 236 | 15 | 1,592 | 111 |
| 1980 | Average | 1,535 | 216 | -27 | 233 | 21 | 1,469 | ⁴ 120 |
| 1981 | Average | 1,571 | 244 | ⁴ -18 | 289 | 42 | 1,466 | 135 |
| 1982 | January | 1,565 | 314 | 443 | 391 | 67 | 1,863 | 121 |
| | February | 1,466 | 291 | 243 | 327 | 51 | 1,621 | 114 |
| | March | 1,544 | 223 | 211 | 289 | 74 | 1,615 | 108 |
| | April | 1,506 | 188 | 98 | 257 | 77 | 1,458 | 105 |
| | May | 1,565 | 186 | -71 | 234 | 43 | 1,403 | 107 |
| | June | 1,515 | 192 | -86 | 262 | 106 | 1,254 | 109 |
| | July | 1,476 | 227 | -13 | 253 | 37 | 1,399 | 110 |
| | August | 1,511 | 125 | -45 | 254 | 61 | 1,276 | 111 |
| | September | 1,538 | 247 | 37 | 274 | 85 | 1,463 | 110 |
| | October | 1,517 | 194 | 97 | 306 | 81 | 1,421 | 107 |
| | November | 1,542 | 267 | 175 | 363 | 37 | 1,583 | 102 |
| | December | 1,580 | 258 | 256 | 395 | 56 | 1,642 | ⁴ 94 |
| | Average | 1,528 | 226 | 111 | 300 | 65 | 1,499 | |
| 1983 | January | 1,611 | 240 | ⁴ 520 | 313 | 118 | 1,939 | 86 |
| | February | 1,600 | 305 | 128 | 244 | 76 | 1,713 | 82 |
| | March | 1,543 | 166 | -9 | 197 | 127 | 1,377 | 82 |
| | April | 1,607 | 124 | -156 | 198 | 116 | 1,260 | 87 |
| | May | 1,613 | 167 | -225 | 207 | 84 | 1,263 | 94 |
| | June | 1,664 | 172 | -334 | 203 | 59 | 1,241 | 104 |
| | July | 1,656 | 191 | -221 | 217 | 55 | 1,354 | 111 |
| | August | 1,586 | 160 | -199 | 229 | 29 | 1,289 | 117 |
| | September | 1,705 | 178 | -30 | 236 | 86 | 1,531 | 118 |
| | October | 1,688 | 160 | -81 | 268 | 32 | 1,467 | 120 |
| | November | 1,785 | 180 | 70 | 362 | 33 | 1,640 | 118 |
| | December | 1,645 | 247 | 575 | 363 | 66 | 2,038 | ⁴ 101 |
| | Average | 1,642 | 190 | 4 | 253 | 73 | 1,509 | |
| 1984 | January | 1,610 | 269 | ⁴ 470 | 333 | 23 | 1,993 | 93 |
| | February | 1,690 | 237 | 146 | 323 | 41 | 1,708 | 89 |
| | March | 1,685 | 241 | 12 | 289 | 68 | 1,581 | 89 |
| | April | 1,711 | 155 | -170 | 253 | 54 | 1,389 | 94 |
| | May | 1,709 | 211 | -221 | 244 | 42 | 1,412 | 101 |
| | June | 1,714 | 158 | -189 | 237 | 53 | 1,394 | 106 |
| | July | 1,750 | 132 | -138 | 232 | 43 | 1,469 | 111 |
| | August | 1,744 | 154 | -132 | 241 | 34 | 1,491 | 115 |
| | September | 1,704 | 128 | -24 | 283 | 26 | 1,499 | 115 |
| | October | 1,683 | 207 | 137 | 322 | 56 | 1,648 | 111 |
| | November* | 1,719 | 212 | 90 | 376 | 52 | 1,593 | 108 |
| | Average | 1,702 | 191 | -2 | 285 | 45 | 1,562 | |

¹ Includes ethane, propane, normal butane, and isobutane.

Beginning in January 1984, unfractionated stream is reported by individual product.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.5.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Other Petroleum Products¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 3,693 | 502 | -9 | 750 | 166 | 3,270 | 208 |
| 1974 | Average | 3,558 | 432 | -28 | 665 | 174 | 3,123 | ⁴ 218 |
| 1975 | Average | 3,424 | 277 | ⁴ -2 | 537 | 160 | 3,002 | 219 |
| 1976 | Average | 3,643 | 206 | -5 | 524 | 175 | 3,145 | 220 |
| 1977 | Average | 3,912 | 205 | -27 | 514 | 165 | 3,410 | 230 |
| 1978 | Average | 4,046 | 166 | 14 | 492 | 167 | 3,568 | 225 |
| 1979 | Average | 4,153 | 195 | -37 | 352 | 209 | 3,749 | 238 |
| 1980 | Average | 3,956 | 210 | -23 | 311 | 198 | 3,634 | ⁴ 247 |
| 1981 | Average | 3,739 | 226 | ⁴ 46 | 723 | 199 | 3,088 | 282 |
| | | | | | | | | |
| 1982 | January | 3,171 | 269 | -7 | 624 | 180 | 2,631 | 282 |
| | February | 3,403 | 305 | -153 | 663 | 138 | 2,755 | 287 |
| | March | 3,466 | 243 | -191 | 725 | 161 | 2,631 | 293 |
| | April | 3,408 | 309 | 73 | 796 | 204 | 2,790 | 290 |
| | May | 3,317 | 318 | 184 | 824 | 210 | 2,785 | 285 |
| | June | 3,547 | 315 | 123 | 812 | 216 | 2,954 | 281 |
| | July | 3,660 | 408 | -1 | 856 | 187 | 3,023 | 281 |
| | August | 3,583 | 346 | 217 | 743 | 202 | 3,201 | 274 |
| | September | 3,533 | 375 | 105 | 749 | 213 | 3,051 | 271 |
| | October | 3,529 | 383 | 244 | 915 | 266 | 2,976 | 264 |
| | November | 3,498 | 423 | -28 | 837 | 269 | 2,786 | 264 |
| | December | 3,324 | 313 | 366 | 885 | 275 | 2,842 | ⁴ 253 |
| | Average | 3,453 | 334 | 80 | 787 | 211 | 2,869 | |
| | | | | | | | | |
| 1983 | January | 3,194 | 322 | ⁴ -419 | 588 | 271 | 2,239 | 271 |
| | February | 3,229 | 321 | 12 | 673 | 232 | 2,658 | 270 |
| | March | 3,381 | 319 | -147 | 572 | 249 | 2,732 | 275 |
| | April | 3,299 | 404 | -24 | 592 | 247 | 2,840 | 276 |
| | May | 3,405 | 374 | 35 | 705 | 242 | 2,866 | 275 |
| | June | 3,610 | 444 | 96 | 717 | 292 | 3,144 | 272 |
| | July | 3,636 | 425 | 148 | 735 | 209 | 3,265 | 267 |
| | August | 3,695 | 482 | 30 | 668 | 242 | 3,297 | 266 |
| | September | 3,792 | 497 | -6 | 788 | 236 | 3,255 | 266 |
| | October | 3,578 | 424 | -107 | 711 | 195 | 2,990 | 270 |
| | November | 3,568 | 441 | 95 | 912 | 238 | 2,957 | 267 |
| | December | 3,123 | 479 | 361 | 883 | 257 | 2,823 | ⁴ 256 |
| | Average | 3,460 | 411 | 6 | 712 | 242 | 2,923 | |
| | | | | | | | | |
| 1984 | January | 3,391 | 486 | ⁴ -177 | 561 | 207 | 2,931 | 253 |
| | February | 3,582 | 586 | -256 | 751 | 225 | 2,935 | 261 |
| | March | 3,510 | 466 | -218 | 530 | 258 | 2,969 | 268 |
| | April | 3,584 | 582 | -207 | 627 | 268 | 3,063 | 274 |
| | May | 3,683 | 642 | -118 | 775 | 257 | 3,175 | 277 |
| | June | 3,863 | 521 | 404 | 1,229 | 343 | 3,213 | 265 |
| | July | 3,866 | 567 | 278 | 1,034 | 238 | 3,438 | 257 |
| | August | 3,855 | 561 | 24 | 648 | 172 | 3,621 | 256 |
| | September | 3,768 | 539 | -51 | 712 | 238 | 3,306 | 258 |
| | October | 3,580 | 632 | 30 | 724 | 180 | 3,336 | 257 |
| | November* | 3,530 | 592 | 64 | 948 | 281 | 2,960 | 255 |
| | Average | 3,656 | 562 | -20 | 775 | 242 | 3,179 | |

¹ Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.6.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Sources

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*.
2. 1977 through 1980: Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual* and *PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report*.
3. January 1981 through December 1983: EIA, *Petroleum Supply Annual*.
4. January 1984 through November 1984: Detailed statistics in appropriate issues of the *Petroleum Supply Monthly*. (See Explanatory Notes 9.1 through 9.6).
5. December 1984: Estimates based on EIA weekly data (except domestic crude oil production) (see Explanatory Note 1.1).
6. January 1984 through December 1984: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies and the U.S. Geological Survey. (See Explanatory Note 3).

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Detailed Statistics



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U.S. Petroleum Balance, November 1984

| | Current Month | | Year-to-date | |
|--|------------------|-----------------------------|------------------|-----------------------------|
| | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| Oil (Including Lease Condensate) | | | | |
| Field Production | | | | |
| Alaska | E 51,219 | 1,707 | E 583,689 | 1,742 |
| Lower 48 States | E 214,158 | 7,139 | E 2,348,711 | 7,011 |
| Total U.S. | E 265,377 | 8,846 | E 2,932,400 | 8,753 |
| Imports | | | | |
| Imports (Gross Excluding SPR) | 99,973 | 3,332 | 1,083,442 | 3,234 |
| SPR Imports | 6,573 | 219 | 64,939 | 194 |
| Imports | 6,061 | 202 | 60,496 | 181 |
| Imports (Net Including SPR) | 100,486 | 3,350 | 1,087,885 | 3,247 |
| Other Sources | | | | |
| SPR Withdrawal (+) or Addition (-) | -4,812 | -160 | -63,957 | -191 |
| Other Stock Withdrawal (+) or Addition (-) | -166 | -6 | 94 | 0 |
| Product Supplied and Losses | -1,841 | -61 | -21,503 | -64 |
| Unaccounted for 1 | 4,057 | 135 | 112,544 | 336 |
| Total Other Sources | -2,762 | -92 | 27,178 | 81 |
| Net Input to Refineries | 363,101 | 12,103 | 4,047,463 | 12,082 |
| (3) = (7) + (12) | | | | |
| Natural Gas Plant Liquids (NGPL) | | | | |
| Field Production | 50,386 | 1,680 | 546,506 | 1,631 |
| Imports 2 | 2,108 | 70 | 14,947 | 45 |
| Stock Withdrawal (+) or Addition (-) 2 | 586 | 20 | 870 | 3 |
| Total NGPL Supply | 53,080 | 1,769 | 562,323 | 1,679 |
| Liquids | | | | |
| Finished Oils and Gasoline Blending Components, Total | | | | |
| Stock Withdrawal (+) or Addition (-) | 3,437 | 115 | -2,783 | -8 |
| Imports | 10,191 | 340 | 105,854 | 316 |
| Other Hydrocarbons and Alcohol New Supply (Field Production) | 983 | 33 | 15,438 | 46 |
| Refinery Processing Gain 1 | 17,112 | 570 | 185,087 | 552 |
| Crude Oil Product Supplied | 1,866 | 62 | 21,283 | 64 |
| Total Other Liquids | 33,589 | 1,120 | 324,879 | 970 |
| (3) = (18) through (22) | | | | |
| Production of Products 3 | 449,770 | 14,992 | 4,934,665 | 14,730 |
| (13) + (17) + (23) | | | | |
| Imports of Refined Products 3 | | | | |
| Imports (Gross) | 47,084 | 1,569 | 547,439 | 1,634 |
| Imports | 19,488 | 650 | 172,221 | 514 |
| Imports (Net) | 27,596 | 920 | 375,219 | 1,120 |
| Net New Supply of Products | 477,366 | 15,912 | 5,309,883 | 15,850 |
| (24) + (27) | | | | |
| Finished Products Stock Withdrawal (+) or Addition (-) 3 | -9,292 | -310 | -36,840 | -110 |
| Total Petroleum Products Supplied for Domestic Use | 468,074 | 15,602 | 5,273,044 | 15,740 |
| (28) + (29) | | | | |
| Finished Motor Gasoline | 204,136 | 6,805 | 2,247,354 | 6,709 |
| Distillate Fuel Oil | 84,733 | 2,824 | 953,659 | 2,847 |
| Residual Fuel Oil | 40,707 | 1,357 | 462,604 | 1,381 |
| Liquefied Petroleum Gases | 47,797 | 1,593 | 523,174 | 1,562 |
| Other 4 | 88,835 | 2,961 | 1,064,970 | 3,179 |
| Crude Oil | 1,866 | 62 | 21,283 | 64 |
| Total Product Supplied | 468,074 | 15,602 | 5,273,044 | 15,740 |
| (17) = (31) through (36) | | | | |
| Stocks, All Oils | | | | |
| Crude Oil and Lease Condensate (Excluding SPR) | 343,082 | -- | 343,082 | -- |
| Strategic Petroleum Reserve (SPR) | 443,046 | -- | 443,046 | -- |
| Unfinished Oils | 105,627 | -- | 105,627 | -- |
| Gasoline Blending Components 5 | 42,176 | -- | 42,176 | -- |
| Pentanes Plus | 7,895 | -- | 7,895 | -- |
| Finished Refined Products 3 | 613,890 | -- | 613,890 | -- |
| Total Stocks | 1,555,716 | -- | 1,555,716 | -- |

balancing item.
 Includes products in the pentanes plus category only.
 Products included see Explanatory Note 9.7.
 Includes pentanes plus, other liquids, and all finished petroleum
 products except finished motor gasoline, distillate fuel oil, residual fuel
 oil, and liquefied petroleum gases.
 Includes other hydrocarbons and alcohol.
 Estimated.
 Not Applicable.
 Total may not equal sum of components due to independent rounding.
 Sources and estimation procedures: See Explanatory Notes 1, 2 and 9.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, November 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 265,377 | 0 | 106,546 | -4,978 | 4,057 | -25 | 363,101 | 6,061 | 1,866 | 786,128 |
| Natural Gas Liquids and LRGs | 50,293 | 10,115 | 8,540 | 3,299 | 0 | 0 | 18,346 | 1,651 | 52,250 | 116,240 |
| Pentanes Plus | 8,832 | 0 | 2,185 | 586 | 0 | 0 | 7,073 | 77 | 4,453 | 7,895 |
| Liquefied Petroleum Gases | 41,461 | 10,115 | 6,355 | 2,713 | 0 | 0 | 11,273 | 1,574 | 47,797 | 108,345 |
| Ethane | 15,549 | 507 | 785 | -2,084 | 0 | 0 | 50 | 154 | 14,553 | 22,779 |
| Propane | 16,716 | 8,736 | 2,749 | 1,449 | 0 | 0 | 114 | 1,111 | 28,425 | 60,711 |
| Normal Butane | 6,250 | 772 | 1,701 | 2,789 | 0 | 0 | 7,501 | 233 | 3,778 | 15,896 |
| Isobutane | 2,946 | 100 | 1,120 | 559 | 0 | 0 | 3,608 | 77 | 1,040 | 8,959 |
| Other Liquids | 983 | 0 | 10,191 | 3,437 | 0 | 0 | 21,346 | 0 | -6,735 | 147,803 |
| Other Hydrocarbons and Alcohol | 983 | 0 | 0 | 42 | 0 | 0 | 1,025 | 0 | 0 | 314 |
| Unfinished Oils | 0 | 0 | 7,412 | 5,541 | 0 | 0 | 17,958 | 0 | -5,005 | 105,627 |
| Motor Gasoline Blending Components | 0 | 0 | 2,779 | -2,213 | 0 | 0 | 2,300 | 0 | -1,734 | 41,588 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 67 | 0 | 0 | 63 | 0 | 4 | 274 |
| Finished Petroleum Products | 93 | 409,790 | 40,729 | -12,005 | 0 | 0 | 0 | 17,914 | 420,693 | 505,545 |
| Finished Motor Gasoline | 1 | 201,142 | 8,569 | -5,246 | 0 | 0 | 0 | 329 | 204,136 | 198,415 |
| Finished Leaded Motor Gasoline | 1 | 77,474 | 4,031 | -4,336 | 0 | 0 | 0 | 329 | 76,840 | 88,413 |
| Finished Unleaded Motor Gasoline | 0 | 123,668 | 4,538 | -910 | 0 | 0 | 0 | 0 | 127,296 | 110,002 |
| Finished Aviation Gasoline | 0 | 850 | 0 | -137 | 0 | 0 | 0 | 0 | 713 | 2,612 |
| Naphtha-Type Jet Fuel | 0 | 6,651 | 379 | -59 | 0 | 0 | 0 | 1 | 6,970 | 6,519 |
| Kerosene-Type Jet Fuel | 0 | 27,567 | 658 | -313 | 0 | 0 | 0 | 329 | 27,583 | 38,415 |
| Kerosene | 0 | 3,858 | 1,037 | 445 | 0 | 0 | 0 | 5 | 5,334 | 10,791 |
| Distillate Fuel Oil | 40 | 84,585 | 9,245 | -8,422 | 0 | 0 | 0 | 715 | 84,733 | 160,780 |
| Residual Fuel Oil | 0 | 28,079 | 17,630 | 3,574 | 0 | 0 | 0 | 8,576 | 40,707 | 47,216 |
| Naphtha < 400 Deg. for Petro. Feed, Use | 0 | 2,435 | 1,188 | 138 | 0 | 0 | 0 | 127 | 3,634 | 1,653 |
| Other Oils > 400 Deg. for Petro. Feed, Use | 0 | 5,462 | 0 | -158 | 0 | 0 | 0 | 712 | 4,592 | 1,738 |
| Special Naphthas | 0 | 1,493 | 1,239 | -156 | 0 | 0 | 0 | 48 | 2,527 | 2,847 |
| Lubricants | 0 | 4,756 | 364 | -395 | 0 | 0 | 0 | 353 | 4,372 | 12,540 |
| Waxes | 0 | 448 | 26 | -18 | 0 | 0 | 0 | 22 | 434 | 636 |
| Petroleum Coke | 0 | 13,154 | 0 | 140 | 0 | 0 | 0 | 6,646 | 6,648 | 5,001 |
| Asphalt and Road Oil | 0 | 10,910 | 314 | -1,016 | 0 | 0 | 0 | 26 | 10,182 | 14,074 |
| Still Gas | 0 | 16,639 | 0 | 0 | 0 | 0 | 0 | 0 | 16,639 | 0 |
| Miscellaneous Products | 52 | 1,761 | 81 | -382 | 0 | 0 | 0 | 25 | 1,488 | 2,308 |
| Total | 316,746 | 419,905 | 166,006 | -10,247 | 4,057 | -25 | 402,793 | 25,626 | 468,074 | 1,555,716 |

¹ Unaccounted for crude oil is a balancing item.

(\$) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 3. Year-to-Date Supply and Disposition of Crude Oil and Petroleum Products, January - November 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | |
|--|------------------|---------------------|-----------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unac- counted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 2,932,400 | 0 | 1,148,381 | -63,863 | 112,544 | 220 | 4,047,463 | 60,496 | 21,283 | 786,128 |
| Natural Gas Liquids and LRGs | 544,880 | 123,306 | 79,811 | 282 | 0 | 0 | 165,312 | 15,799 | 567,168 | 116,240 |
| Pentanes Plus | 98,123 | 0 | 15,750 | 870 | 0 | 0 | 69,946 | 803 | 43,994 | 7,895 |
| Liquefied Petroleum Gases | 446,757 | 123,306 | 64,061 | -588 | 0 | 0 | 95,366 | 14,997 | 523,174 | 108,345 |
| Ethane | 170,049 | 7,276 | 22,758 | -1,400 | 0 | 0 | 660 | 1,606 | 196,416 | 22,779 |
| Propane | 175,696 | 93,914 | 21,945 | -5,431 | 0 | 0 | 1,256 | 9,258 | 275,610 | 60,711 |
| Normal Butane | 68,081 | 22,126 | 11,690 | 4,493 | 0 | 0 | 53,541 | 3,330 | 49,520 | 15,896 |
| Isobutane | 32,931 | -10 | 7,668 | 1,750 | 0 | 0 | 39,909 | 803 | 1,628 | 8,959 |
| Other Liquids | 15,438 | 0 | 105,854 | -2,783 | 0 | 0 | 189,727 | 0 | -71,218 | 147,803 |
| Other Hydrocarbons and Alcohol | 15,438 | 0 | 0 | -29 | 0 | 0 | 15,409 | 0 | 0 | 314 |
| Unfinished Oils | 0 | 0 | 78,403 | 1,871 | 0 | 0 | 137,579 | 0 | -57,305 | 105,627 |
| Motor Gasoline Blending Components | 0 | 0 | 27,445 | -4,668 | 0 | 0 | 36,706 | 0 | -13,929 | 41,588 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | 43 | 0 | 0 | 33 | 0 | 16 | 274 |
| Finished Petroleum Products | 1,626 | 4,464,283 | 483,378 | -36,252 | 0 | 0 | 0 | 157,224 | 4,755,811 | 505,545 |
| Finished Motor Gasoline | 500 | 2,164,335 | 97,063 | -12,920 | 0 | 0 | 0 | 1,624 | 2,247,354 | 198,415 |
| Finished Leaded Motor Gasoline | 332 | 869,066 | 44,273 | 5,671 | 0 | 0 | 0 | 1,624 | 917,718 | 88,413 |
| Finished Unleaded Motor Gasoline | 168 | 1,295,269 | 52,790 | -18,591 | 0 | 0 | 0 | 0 | 1,329,636 | 110,002 |
| Finished Aviation Gasoline | 0 | 8,476 | 602 | -321 | 0 | 0 | 0 | 0 | 8,757 | 2,612 |
| Naphtha-Type Jet Fuel | 0 | 71,005 | 4,561 | -306 | 0 | 0 | 0 | 433 | 74,827 | 6,519 |
| Kerosene-Type Jet Fuel | 0 | 307,605 | 15,263 | -6,047 | 0 | 0 | 0 | 1,641 | 315,179 | 38,415 |
| Kerosene | 10 | 37,144 | 3,951 | -2,931 | 0 | 0 | 0 | 38 | 38,136 | 10,791 |
| Distillate Fuel Oil | 453 | 895,642 | 92,855 | -20,378 | 0 | 0 | 0 | 14,913 | 953,659 | 160,780 |
| Residual Fuel Oil | 0 | 293,986 | 227,168 | 1,892 | 0 | 0 | 0 | 60,443 | 462,604 | 47,216 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 39,927 | 11,469 | 59 | 0 | 0 | 0 | 2,019 | 49,436 | 1,653 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 80,701 | 0 | 19 | 0 | 0 | 0 | 5,222 | 75,498 | 1,738 |
| Special Naphthas | -50 | 18,412 | 18,909 | 306 | 0 | 0 | 0 | 729 | 36,847 | 2,847 |
| Lubricants | 0 | 54,098 | 3,557 | -465 | 0 | 0 | 0 | 4,910 | 52,280 | 12,540 |
| Waxes | 0 | 4,957 | 464 | 141 | 0 | 0 | 0 | 392 | 5,170 | 636 |
| Petroleum Coke | 0 | 147,148 | 0 | 480 | 0 | 0 | 0 | 64,327 | 83,301 | 5,001 |
| Asphalt and Road Oil | 0 | 133,127 | 4,089 | 4,718 | 0 | 0 | 0 | 183 | 141,751 | 14,074 |
| Still Gas | 0 | 188,451 | 0 | 0 | 0 | 0 | 0 | 0 | 188,451 | 0 |
| Miscellaneous Products | 713 | 19,269 | 3,427 | -499 | 0 | 0 | 0 | 348 | 22,561 | 2,308 |
| Total | 3,494,344 | 4,587,589 | 1,817,424 | -102,616 | 112,544 | 220 | 4,402,502 | 233,520 | 5,273,044 | 1,555,716 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, November 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,846 | 0 | 3,552 | -166 | 135 | -1 | 12,103 | 202 | 62 |
| Natural Gas Liquids and LRGs | 1,676 | 337 | 285 | 110 | 0 | 0 | 612 | 55 | 1,742 |
| Pentanes Plus | 294 | 0 | 73 | 20 | 0 | 0 | 236 | 3 | 148 |
| Liquefied Petroleum Gases | 1,382 | 337 | 212 | 90 | 0 | 0 | 376 | 52 | 1,593 |
| Ethane | 518 | 17 | 26 | -69 | 0 | 0 | 2 | 5 | 485 |
| Propane | 557 | 291 | 92 | 48 | 0 | 0 | 4 | 37 | 948 |
| Normal Butane | 208 | 26 | 57 | 93 | 0 | 0 | 250 | 8 | 126 |
| Isobutane | 98 | 3 | 37 | 19 | 0 | 0 | 120 | 3 | 35 |
| Other Liquids | 33 | 0 | 340 | 115 | 0 | 0 | 712 | 0 | -225 |
| Other Hydrocarbons and Alcohol | 33 | 0 | 0 | 1 | 0 | 0 | 34 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 247 | 185 | 0 | 0 | 599 | 0 | -167 |
| Motor Gasoline Blending Components | 0 | 0 | 93 | -74 | 0 | 0 | 77 | 0 | -58 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | (s) |
| Finished Petroleum Products | 3 | 13,660 | 1,358 | -400 | 0 | 0 | 0 | 597 | 14,023 |
| Finished Motor Gasoline | (s) | 6,705 | 286 | -175 | 0 | 0 | 0 | 11 | 6,805 |
| Finished Leaded Motor Gasoline | (s) | 2,582 | 134 | -145 | 0 | 0 | 0 | 11 | 2,561 |
| Finished Unleaded Motor Gasoline | 0 | 4,122 | 151 | -30 | 0 | 0 | 0 | 0 | 4,243 |
| Finished Aviation Gasoline | 0 | 28 | 0 | -5 | 0 | 0 | 0 | 0 | 24 |
| Naphtha-Type Jet Fuel | 0 | 222 | 13 | -2 | 0 | 0 | 0 | (s) | 232 |
| Kerosene-Type Jet Fuel | 0 | 919 | 22 | -10 | 0 | 0 | 0 | 11 | 919 |
| Kerosene | 0 | 129 | 35 | 15 | 0 | 0 | 0 | (s) | 178 |
| Distillate Fuel Oil | 1 | 2,820 | 308 | -281 | 0 | 0 | 0 | 24 | 2,824 |
| Residual Fuel Oil | 0 | 936 | 588 | 119 | 0 | 0 | 0 | 286 | 1,357 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 81 | 40 | 5 | 0 | 0 | 0 | 4 | 121 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 182 | 0 | -5 | 0 | 0 | 0 | 24 | 153 |
| Special Naphthas | 0 | 50 | 41 | -5 | 0 | 0 | 0 | 2 | 84 |
| Lubricants | 0 | 159 | 12 | -13 | 0 | 0 | 0 | 12 | 146 |
| Waxes | 0 | 15 | 1 | -1 | 0 | 0 | 0 | 1 | 14 |
| Petroleum Coke | 0 | 438 | 0 | 5 | 0 | 0 | 0 | 222 | 222 |
| Asphalt and Road Oil | 0 | 364 | 10 | -34 | 0 | 0 | 0 | 1 | 339 |
| Still Gas | 0 | 555 | 0 | 0 | 0 | 0 | 0 | 0 | 555 |
| Miscellaneous Products | 2 | 59 | 3 | -13 | 0 | 0 | 0 | 1 | 50 |
| Total | 10,558 | 13,997 | 5,534 | -342 | 135 | -1 | 13,426 | 854 | 15,602 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - November 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,753 | 0 | 3,428 | -191 | 336 | 1 | 12,082 | 181 | 64 |
| Natural Gas Liquids and LRGs | 1,627 | 368 | 238 | 1 | 0 | 0 | 493 | 47 | 1,693 |
| Pentanes Plus | 293 | 0 | 47 | 3 | 0 | 0 | 209 | 2 | 131 |
| Liquefied Petroleum Gases | 1,334 | 368 | 191 | -2 | 0 | 0 | 285 | 45 | 1,562 |
| Ethane | 508 | 22 | 68 | -4 | 0 | 0 | 2 | 5 | 586 |
| Propane | 524 | 280 | 66 | -16 | 0 | 0 | 4 | 28 | 823 |
| Normal Butane | 203 | 66 | 35 | 13 | 0 | 0 | 160 | 10 | 148 |
| Isobutane | 98 | (s) | 23 | 5 | 0 | 0 | 119 | 2 | 5 |
| Other Liquids | 46 | 0 | 316 | -8 | 0 | 0 | 566 | 0 | -213 |
| Other Hydrocarbons and Alcohol | 46 | 0 | 0 | (s) | 0 | 0 | 46 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 234 | 6 | 0 | 0 | 411 | 0 | -171 |
| Motor Gasoline Blending Components | 0 | 0 | 82 | -14 | 0 | 0 | 110 | 0 | -42 |
| Aviation Gasoline Blending Components | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 0 | (s) |
| Finished Petroleum Products | 5 | 13,326 | 1,443 | -108 | 0 | 0 | 0 | 469 | 14,196 |
| Finished Motor Gasoline | 1 | 6,461 | 290 | -39 | 0 | 0 | 0 | 5 | 6,709 |
| Finished Leaded Motor Gasoline | 1 | 2,594 | 132 | 17 | 0 | 0 | 0 | 5 | 2,739 |
| Finished Unleaded Motor Gasoline | 1 | 3,866 | 158 | -55 | 0 | 0 | 0 | 0 | 3,969 |
| Finished Aviation Gasoline | 0 | 25 | 2 | -1 | 0 | 0 | 0 | 0 | 26 |
| Naphtha-Type Jet Fuel | 0 | 212 | 14 | -1 | 0 | 0 | 0 | 1 | 223 |
| Kerosene-Type Jet Fuel | 0 | 918 | 46 | -18 | 0 | 0 | 0 | 5 | 941 |
| Kerosene | (s) | 111 | 12 | -9 | 0 | 0 | 0 | (s) | 114 |
| Distillate Fuel Oil | 1 | 2,674 | 277 | -61 | 0 | 0 | 0 | 45 | 2,847 |
| Residual Fuel Oil | 0 | 878 | 678 | 6 | 0 | 0 | 0 | 180 | 1,381 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 119 | 34 | (s) | 0 | 0 | 0 | 6 | 148 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 241 | 0 | (s) | 0 | 0 | 0 | 16 | 225 |
| Special Naphthas | (s) | 55 | 56 | 1 | 0 | 0 | 0 | 2 | 110 |
| Lubricants | 0 | 161 | 11 | -1 | 0 | 0 | 0 | 15 | 156 |
| Waxes | 0 | 15 | 1 | (s) | 0 | 0 | 0 | 1 | 15 |
| Petroleum Coke | 0 | 439 | 0 | 1 | 0 | 0 | 0 | 192 | 249 |
| Asphalt and Road Oil | 0 | 397 | 12 | 14 | 0 | 0 | 0 | 1 | 423 |
| Still Gas | 0 | 563 | 0 | 0 | 0 | 0 | 0 | 0 | 563 |
| Miscellaneous Products | 2 | 58 | 10 | -1 | 0 | 0 | 0 | 1 | 67 |
| Total | 10,431 | 13,694 | 5,425 | -306 | 336 | 1 | 13,142 | 697 | 15,740 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, November 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | Ending Stocks | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|---------------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | | Products Supplied |
| Crude Oil (including lease condensate) | E 1,659 | 0 | 30,411 | 1,540 | -2,199 | 4,028 | 0 | 35,439 | 0 | 0 | 14,202 |
| Natural Gas Liquids and LRGs | 944 | 1,084 | 1,089 | 228 | 0 | 2,968 | 0 | 192 | 47 | 6,074 | 4,103 |
| Liquefied Petroleum Gases | 807 | 1,084 | 1,028 | 228 | 0 | 2,968 | 0 | 154 | 47 | 5,914 | 4,062 |
| Pentanes Plus | 137 | 0 | 61 | 0 | 0 | 0 | 0 | 38 | 0 | 160 | 41 |
| Other Liquids | -34 | 0 | 3,521 | 184 | 0 | 324 | 0 | 3,737 | 0 | 258 | 18,096 |
| Other Hydrocarbons and Alcohol | -34 | 0 | 0 | 35 | 0 | 0 | 0 | 1 | 0 | 0 | 86 |
| Unfinished Oils | 0 | 0 | 1,489 | 1,204 | 0 | 175 | 0 | 4,074 | 0 | -1,206 | 13,129 |
| Motor Gasoline Blending Components | 0 | 0 | 2,032 | -1,055 | 0 | 149 | 0 | -338 | 0 | 1,464 | 4,881 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 0 | 39,981 | 33,842 | -1,593 | 0 | 72,724 | 0 | 0 | 943 | 144,011 | 182,401 |
| Finished Motor Gasoline | 0 | 17,468 | 7,328 | 847 | 0 | 42,121 | 0 | 0 | 22 | 67,742 | 58,585 |
| Finished Leaded Motor Gasoline | 0 | 5,185 | 3,494 | -79 | 0 | 13,181 | 0 | 0 | 22 | 21,759 | 24,340 |
| Finished Unleaded Motor Gasoline | 0 | 12,283 | 3,834 | 926 | 0 | 28,940 | 0 | 0 | 0 | 45,983 | 34,245 |
| Finished Aviation Gasoline | 0 | 3 | 0 | -13 | 0 | 204 | 0 | 0 | 0 | 194 | 474 |
| Naphtha-Type Jet Fuel | 0 | 633 | 373 | 50 | 0 | 288 | 0 | 0 | 1 | 1,344 | 897 |
| Kerosene-Type Jet Fuel | 0 | 1,197 | 475 | -1,095 | 0 | 9,399 | 0 | 0 | 0 | 9,976 | 9,800 |
| Kerosene | 0 | 275 | 582 | -166 | 0 | 500 | 0 | 0 | 5 | 1,186 | 5,278 |
| Distillate Fuel Oil | 0 | 9,470 | 8,813 | -3,121 | 0 | 18,147 | 0 | 0 | 2 | 33,307 | 74,901 |
| Residual Fuel Oil | 0 | 4,098 | 15,682 | 2,585 | 0 | 743 | 0 | 0 | (s) | 23,108 | 24,235 |
| Naphtha and Other Oils for Petro. Feed | 0 | 152 | 6 | -23 | 0 | 16 | 0 | 0 | 27 | 123 | 300 |
| Special Naphthas | 0 | 43 | 114 | -110 | 0 | 303 | 0 | 0 | 3 | 346 | 683 |
| Lubricants | 0 | 570 | 290 | 25 | 0 | 524 | 0 | 0 | 87 | 1,322 | 3,022 |
| Waxes | 0 | 95 | 6 | -1 | 0 | 4 | 0 | 0 | 3 | 101 | 64 |
| Petroleum Coke | 0 | 1,143 | 0 | 65 | 0 | 0 | 0 | 0 | 757 | 451 | 835 |
| Asphalt and Road Oil | 0 | 2,956 | 159 | -547 | 0 | 252 | 0 | 0 | 22 | 2,798 | 3,024 |
| Still Gas | 0 | 1,662 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,662 | 0 |
| Miscellaneous Products | 0 | 216 | 14 | -89 | 0 | 223 | 0 | 0 | 13 | 352 | 303 |
| Total | 2,569 | 41,065 | 68,863 | 359 | -2,199 | 80,044 | 0 | 39,368 | 990 | 150,343 | 218,802 |

¹ Unaccounted for crude oil is a balancing item.

(\$) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, November 1984
(Thousand Barrels)

| Commodity | | Supply | | | | Disposition | | | | Ending Stocks | | |
|--|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | | E 32,001 | 0 | 14,378 | -1,025 | 35,181 | -112 | 10 | 79,972 | 441 | 0 | 76,898 |
| Natural Gas Liquids and LRGs | | 11,726 | 2,454 | 3,604 | 1,655 | 0 | 3,690 | 0 | 6,035 | 512 | 16,582 | 31,300 |
| Liquefied Petroleum Gases | | 10,148 | 2,454 | 3,604 | 1,790 | 0 | 2,815 | 0 | 4,181 | 435 | 16,195 | 28,663 |
| Pentanes Plus | | 1,578 | 0 | 0 | -135 | 0 | 875 | 0 | 1,854 | 77 | 387 | 2,637 |
| Other Liquids | | 103 | 0 | 220 | 316 | 0 | 707 | 0 | 2,425 | 0 | -1,079 | 26,311 |
| Other Hydrocarbons and Alcohol | | 103 | 0 | 0 | 15 | 0 | 0 | 0 | 118 | 0 | 0 | 125 |
| Unfinished Oils | | 0 | 0 | 220 | 391 | 0 | 682 | 0 | 1,397 | 0 | -104 | 18,610 |
| Motor Gasoline Blending Components | | 0 | 0 | 0 | -118 | 0 | 25 | 0 | 882 | 0 | -975 | 7,471 |
| Aviation Gasoline Blending Components | | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 28 | 0 | 0 | 105 |
| Finished Petroleum Products | | 13 | 89,587 | 492 | -2,429 | 0 | 26,601 | 0 | 0 | 373 | 113,891 | 124,410 |
| Finished Motor Gasoline | | 0 | 50,693 | 90 | -1,918 | 0 | 16,736 | 0 | 0 | 0 | 65,601 | 60,073 |
| Finished Leaded Motor Gasoline | | 0 | 21,788 | 36 | -2,225 | 0 | 9,187 | 0 | 0 | 0 | 28,786 | 29,802 |
| Finished Unleaded Motor Gasoline | | 0 | 28,905 | 54 | 307 | 0 | 7,549 | 0 | 0 | 0 | 36,815 | 30,271 |
| Finished Aviation Gasoline | | 0 | 91 | 0 | 51 | 0 | 28 | 0 | 0 | 0 | 170 | 574 |
| Naphtha-Type Jet Fuel | | 0 | 1,072 | 0 | -110 | 0 | 180 | 0 | 0 | 0 | 1,142 | 1,471 |
| Kerosene-Type Jet Fuel | | 0 | 3,508 | 0 | 567 | 0 | 3,219 | 0 | 0 | 0 | 7,294 | 9,378 |
| Kerosene | | 0 | 976 | 0 | 27 | 0 | 102 | 0 | 0 | 0 | 1,105 | 2,799 |
| Distillate Fuel Oil | | 0 | 20,174 | 92 | -1,080 | 0 | 5,747 | 0 | 0 | (s) | 24,933 | 37,512 |
| Residual Fuel Oil | | 0 | 2,262 | 67 | 97 | 0 | 107 | 0 | 0 | 0 | 2,533 | 3,692 |
| Naphtha and Other Oils for Petro. Feed | | 0 | 423 | 10 | 44 | 0 | -33 | 0 | 0 | 37 | 407 | 266 |
| Special Naphthas | | 0 | 288 | 150 | -4 | 0 | 121 | 0 | 0 | 10 | 546 | 426 |
| Lubricants | | 0 | 806 | 11 | -119 | 0 | 273 | 0 | 0 | 16 | 955 | 2,152 |
| Waxes | | 0 | 25 | 11 | 7 | 0 | 0 | 0 | 0 | 2 | 41 | 72 |
| Petroleum Coke | | 0 | 2,915 | 0 | 12 | 0 | 0 | 0 | 0 | 307 | 2,620 | 782 |
| Asphalt and Road Oil | | 0 | 3,048 | 6 | -20 | 0 | 53 | 0 | 0 | 1 | 3,086 | 4,929 |
| Still Gas | | 0 | 3,166 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,166 | 0 |
| Miscellaneous Products | | 13 | 140 | 54 | 17 | 0 | 68 | 0 | 0 | 2 | 291 | 284 |
| 43,843 | | 92,041 | 18,694 | -1,483 | 35,181 | 30,886 | 10 | 88,432 | 1,326 | 129,394 | 258,919 | |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 8. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, November 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | | Ending Stocks |
|---|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 129,642 | 0 | 53,331 | -2,406 | -26,954 | 14,383 | 3 | 167,974 | 0 | 19 | 602,222 |
| Natural Gas Liquids and LRGs | 33,507 | 5,304 | 2,393 | 601 | 0 | -5,157 | 0 | 10,385 | 963 | 25,300 | 77,552 |
| Liquefied Petroleum Gases | 27,646 | 5,304 | 708 | 3 | 0 | -4,510 | 0 | 5,638 | 963 | 22,550 | 72,546 |
| Pentanes Plus | 5,861 | 0 | 1,685 | 598 | 0 | -647 | 0 | 4,747 | 0 | 2,750 | 5,006 |
| Other Liquids | 551 | 0 | 5,937 | 3,417 | 0 | -1,133 | 0 | 13,515 | 0 | -4,743 | 65,904 |
| Other Hydrocarbons and Alcohol | 551 | 0 | 0 | -8 | 0 | 0 | 0 | 543 | 0 | 0 | 98 |
| Unfinished Oils | 0 | 0 | 5,701 | 3,241 | 0 | -959 | 0 | 10,203 | 0 | -2,220 | 47,125 |
| Motor Gasoline Blending Components | 0 | 0 | 236 | 144 | 0 | -174 | 0 | 2,729 | 0 | -2,523 | 18,532 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 149 |
| Finished Petroleum Products | 77 | 194,112 | 4,644 | -4,908 | 0 | -102,766 | 0 | 0 | 8,167 | 82,992 | 130,965 |
| Finished Motor Gasoline | 1 | 94,365 | 374 | -1,855 | 0 | -61,056 | 0 | 0 | 270 | 31,559 | 52,810 |
| Finished Leaded Motor Gasoline | 1 | 34,710 | 97 | -772 | 0 | -23,278 | 0 | 0 | 270 | 10,488 | 21,151 |
| Finished Unleaded Motor Gasoline | 0 | 59,655 | 277 | -1,083 | 0 | -37,778 | 0 | 0 | 0 | 21,071 | 31,659 |
| Finished Aviation Gasoline | 0 | 551 | 0 | -132 | 0 | -245 | 0 | 0 | 0 | 174 | 824 |
| Naphtha-Type Jet Fuel | 0 | 3,020 | 0 | -81 | 0 | -608 | 0 | 0 | 0 | 2,331 | 2,377 |
| Kerosene-Type Jet Fuel | 0 | 14,695 | 0 | 708 | 0 | -13,191 | 0 | 0 | 221 | 1,991 | 12,407 |
| Kerosene | 0 | 2,417 | 455 | 556 | 0 | -602 | 0 | 0 | (s) | 2,826 | 2,480 |
| Distillate Fuel Oil | 40 | 39,884 | (s) | -3,123 | 0 | -24,373 | 0 | 0 | 160 | 12,268 | 33,048 |
| Residual Fuel Oil | 0 | 10,863 | 1,605 | -178 | 0 | -850 | 0 | 0 | 3,967 | 7,474 | 10,356 |
| Naphtha and Other Oils for Petro. Feed | 0 | 6,968 | 1,173 | 46 | 0 | 17 | 0 | 0 | 729 | 2,566 | 1,399 |
| Special Naphthas | 0 | 1,018 | 961 | 27 | 0 | -449 | 0 | 0 | 34 | 1,523 | 1,399 |
| Lubricants | 0 | 3,082 | 21 | -304 | 0 | -809 | 0 | 0 | 185 | 1,804 | 6,188 |
| Waxes | 0 | 237 | 5 | -31 | 0 | -4 | 0 | 0 | 14 | 193 | 451 |
| Petroleum Coke | 0 | 5,313 | 0 | -103 | 0 | 0 | 0 | 0 | 2,579 | 2,631 | 1,685 |
| Asphalt and Road Oil | 0 | 2,797 | 39 | -355 | 0 | -305 | 0 | 0 | (s) | 2,176 | 3,166 |
| Still Gas | 0 | 7,723 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,723 | 0 |
| Miscellaneous Products | 36 | 1,179 | 11 | -83 | 0 | -291 | 0 | 0 | 8 | 844 | 1,208 |
| Total | 163,777 | 199,416 | 66,305 | -3,296 | -26,954 | -94,673 | 3 | 191,874 | 9,130 | 103,568 | 876,643 |
| 1. Unaccounted for crude oil in O. balance sheet. | | | | | | | | | | | |

1 Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 9. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products, November 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 17,160 | 0 | 1,188 | -202 | -4,936 | 0 | 0 | 13,203 | 0 | 7 | 13,890 |
| Natural Gas Liquids and LRGs | 3,060 | 33 | 795 | 233 | 0 | -1,501 | 0 | 603 | (s) | 2,017 | 1,122 |
| Liquefied Petroleum Gases | 2,240 | 33 | 629 | 117 | 0 | -1,273 | 0 | 433 | (s) | 1,313 | 953 |
| Pentanes Plus | 820 | 0 | 165 | 116 | 0 | -228 | 0 | 170 | 0 | 703 | 169 |
| Other Liquids | 0 | 0 | 0 | -195 | 0 | 0 | 0 | -130 | 0 | -65 | 4,545 |
| Other Hydrocarbons and Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | 19 | 0 | 0 | 0 | -10 | 0 | 29 | 2,777 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | -214 | 0 | 0 | 0 | -120 | 0 | -94 | 1,768 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 3 | 13,793 | 186 | -791 | 0 | 95 | 0 | 0 | 2 | 13,284 | 12,007 |
| Finished Motor Gasoline | 0 | 7,253 | 47 | -445 | 0 | -150 | 0 | 0 | 0 | 6,705 | 5,182 |
| Finished Leaded Motor Gasoline | 0 | 4,081 | 47 | -200 | 0 | -293 | 0 | 0 | 0 | 3,635 | 3,053 |
| Finished Unleaded Motor Gasoline | 0 | 3,172 | 1 | -245 | 0 | 143 | 0 | 0 | 0 | 3,071 | 2,129 |
| Finished Aviation Gasoline | 0 | 45 | 0 | -21 | 0 | 13 | 0 | 0 | 0 | 37 | 76 |
| Naphtha-Type Jet Fuel | 0 | 396 | 0 | 17 | 0 | -172 | 0 | 0 | 0 | 241 | 300 |
| Kerosene-Type Jet Fuel | 0 | 668 | 0 | 63 | 0 | 408 | 0 | 0 | 0 | 1,139 | 704 |
| Kerosene | 0 | 35 | 0 | -9 | 0 | 0 | 0 | 0 | 0 | 26 | 33 |
| Distillate Fuel Oil | 0 | 3,628 | 117 | -225 | 0 | -4 | 0 | 0 | 0 | 3,516 | 3,464 |
| Residual Fuel Oil | 0 | 299 | 21 | 31 | 0 | 0 | 0 | 0 | 0 | 351 | 619 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 2 | 0 | -2 | 0 | 0 | 0 | 0 | 1 | -1 | 8 |
| Special Naphthas | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 |
| Lubricants | 0 | 26 | 0 | -2 | 0 | 0 | 0 | 0 | 1 | 23 | 65 |
| Waxes | 0 | 16 | 0 | -1 | 0 | 0 | 0 | 0 | 0 | 15 | 13 |
| Petroleum Coke | 0 | 274 | 0 | -9 | 0 | 0 | 0 | 0 | 0 | 265 | 190 |
| Asphalt and Road Oil | 0 | 645 | 0 | -85 | 0 | 0 | 0 | 0 | (s) | 560 | 1,236 |
| Still Gas | 0 | 448 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 448 | 0 |
| Miscellaneous Products | 3 | 56 | (s) | -103 | 0 | 0 | 0 | 0 | 0 | -44 | 107 |
| Total | 20,223 | 13,826 | 2,169 | -955 | -4,936 | -1,406 | 0 | 13,676 | 2 | 15,243 | 31,564 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.
Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 10. PAD District V, Supply and Disposition of Crude Oil and Petroleum Products, November 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 84,915 | 0 | 7,238 | -2,885 | 2,966 | -18,299 | -38 | 66,513 | 5,620 | 1,840 | 78,916 |
| Natural Gas Liquids and LRGs | 1,056 | 1,240 | 659 | 582 | 0 | 0 | 0 | 1,131 | 129 | 2,277 | 2,163 |
| Liquefied Petroleum Gases | 620 | 1,240 | 385 | 575 | 0 | 0 | 0 | 867 | 129 | 1,824 | 2,121 |
| Pentanes Plus | 436 | 0 | 274 | 7 | 0 | 0 | 0 | 264 | 0 | 453 | 42 |
| Other Liquids | 363 | 0 | 512 | -285 | 0 | 102 | 0 | 1,799 | 0 | -1,107 | 32,947 |
| Other Hydrocarbons and Alcohol | 363 | 0 | 0 | 0 | 0 | 0 | 0 | 363 | 0 | 0 | 5 |
| Unfinished Oils | 0 | 0 | 2 | 686 | 0 | 102 | 0 | 2,294 | 0 | -1,504 | 23,986 |
| Motor Gasoline Blending Components | 0 | 0 | 511 | -970 | 0 | 0 | 0 | -853 | 0 | 394 | 8,936 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -1 | 0 | 0 | 0 | -5 | 0 | 4 | 20 |
| Finished Petroleum Products | 0 | 72,317 | 1,566 | -2,284 | 0 | 3,346 | 0 | 0 | 8,429 | 66,516 | 55,762 |
| Finished Motor Gasoline | 0 | 31,363 | 729 | -1,875 | 0 | 2,349 | 0 | 0 | 38 | 32,529 | 21,765 |
| Finished Leaded Motor Gasoline | 0 | 11,710 | 358 | -1,060 | 0 | 1,203 | 0 | 0 | 38 | 12,173 | 10,067 |
| Finished Unleaded Motor Gasoline | 0 | 19,653 | 371 | -815 | 0 | 1,146 | 0 | 0 | 0 | 20,355 | 11,698 |
| Finished Aviation Gasoline | 0 | 160 | 0 | -22 | 0 | 0 | 0 | 0 | 0 | 138 | 664 |
| Naphtha-Type Jet Fuel | 0 | 1,530 | 6 | 65 | 0 | 312 | 0 | 0 | 0 | 1,913 | 1,474 |
| Kerosene-Type Jet Fuel | 0 | 7,499 | 183 | -556 | 0 | 165 | 0 | 0 | 108 | 7,183 | 6,126 |
| Kerosene | 0 | 155 | 0 | 37 | 0 | 0 | 0 | 0 | (s) | 192 | 201 |
| Distillate Fuel Oil | 0 | 11,429 | 222 | -873 | 0 | 483 | 0 | 0 | 552 | 10,709 | 11,855 |
| Residual Fuel Oil | 0 | 10,557 | 256 | 1,039 | 0 | 0 | 0 | 0 | 4,609 | 7,242 | 8,314 |
| Naphtha and Other Oils for Petro. Feed | 0 | 352 | 0 | -85 | 0 | 0 | 0 | 0 | 46 | 221 | 251 |
| Special Naphthas | 0 | 142 | 13 | -69 | 0 | 25 | 0 | 0 | 1 | 329 | 1,113 |
| Lubricants | 0 | 272 | 43 | 5 | 0 | 12 | 0 | 0 | 64 | 268 | 1,113 |
| Waxes | 0 | 75 | 4 | 8 | 0 | 0 | 0 | 0 | 3 | 84 | 36 |
| Petroleum Coke | 0 | 3,509 | 0 | 175 | 0 | 0 | 0 | 0 | 3,003 | 681 | 1,509 |
| Asphalt and Road Oil | 0 | 1,464 | 109 | -9 | 0 | 0 | 0 | 0 | 2 | 1,562 | 1,719 |
| Still Gas | 0 | 3,640 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,640 | 0 |
| Miscellaneous Products | 0 | 170 | 1 | -124 | 0 | 0 | 0 | 0 | 2 | 45 | 406 |
| Total | 86,334 | 73,557 | 9,975 | -4,872 | 2,966 | -14,851 | -38 | 69,443 | 14,178 | 69,526 | 169,788 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 11. Production of Crude Oil (including Lease Condensate) by PAD District and State, for the Most Currently Available Month,¹ September 1984 (Thousand Barrels)

| PAD District and State | | Production | | PAD District and State | | Production | |
|--|----------------|-------------|---------------|---|------------------|----------------|---------------|
| | | Total | Daily Average | | | Total | Daily Average |
| PAD District I | | | | PAD District IV | | | |
| Florida | 1,132 | 38 | | Colorado | E 2,349 | E 78 | |
| New York | E 69 | E 2 | | Montana | E 2,250 | E 75 | |
| Pennsylvania | E 351 | E 12 | | Utah | E 2,640 | E 88 | |
| Virginia | E 6 | E 0 | | Wyoming | E 9,789 | E 326 | |
| West Virginia | 264 | 9 | | Adjustment 2 | 0 | 0 | |
| Adjustment 2 | -100 | -3 | | Total PAD District IV | E 17,028 | E 568 | |
| Total PAD District I | E 1,722 | E 57 | | | | | |
| PAD District II | | | | PAD District V | | | |
| Illinois | 2,408 | 80 | | Alaska | 1,749 | 58 | |
| Indiana | 282 | 9 | | South Alaska | 51,063 | 1,702 | |
| Kansas | 6,039 | 201 | | North Slope | -1,062 | -35 | |
| Kentucky | 616 | 21 | | Adjustment for Alaska ² | 51,750 | 1,725 | |
| Michigan | 2,425 | 81 | | Total Alaska | 18 | 1 | |
| Missouri | E 21 | E 1 | | Arizona | 6,443 | 215 | |
| Nebaska | 549 | 18 | | California | 21,176 | 706 | |
| North Dakota | 4,332 | 144 | | Central Coastal | 15 | 1 | |
| Ohio | E 1,230 | E 41 | | East Central | 6,338 | 211 | |
| Oklahoma | 15,259 | 509 | | North | 33,972 | 1,132 | |
| South Dakota | 112 | 4 | | South | 216 | 7 | |
| Tennessee | 71 | 2 | | Total California | -753 | -25 | |
| Texas | -2,012 | -67 | | Nevada | 85,203 | 2,840 | |
| Adjustment 2 | E 31,332 | E 1,044 | | Adjustment for Arizona, California, and Nevada ² | | | |
| Total PAD District II | | | | Total PAD District V | | | |
| PAD District III | | | | United States Total | E 262,767 | E 8,759 | |
| Alabama | 1,669 | 56 | | | | | |
| Arkansas | E 1,548 | E 52 | | | | | |
| Louisiana | 40,007 | 1,334 | | | | | |
| Gulf Coast | 2,699 | 90 | | | | | |
| Rest of State | 42,706 | 1,424 | | | | | |
| Total Louisiana | 2,696 | 90 | | | | | |
| Mississippi | 574 | 19 | | | | | |
| New Mexico | 5,827 | 194 | | | | | |
| Northwestern | 6,401 | 213 | | | | | |
| Southeastern | 2,168 | 72 | | | | | |
| Total New Mexico | 3,242 | 108 | | | | | |
| Texas | 10,148 | 338 | | | | | |
| TRRC District 01 | 2,433 | 81 | | | | | |
| TRRC District 02 | 670 | 22 | | | | | |
| TRRC District 03 | 3,652 | 122 | | | | | |
| TRRC District 04 | 2,932 | 98 | | | | | |
| TRRC District 05 | 2,966 | 99 | | | | | |
| TRRC District 06, excluding East Texas | 18,991 | 633 | | | | | |
| TRRC District 07B | 17,526 | 584 | | | | | |
| TRRC District 07C | 3,322 | 111 | | | | | |
| TRRC District 08 | 1,771 | 59 | | | | | |
| TRRC District 09 | 3,964 | 132 | | | | | |
| TRRC District 10 | 73,785 | 2,460 | | | | | |
| East Texas | -1,323 | -44 | | | | | |
| Total Texas | E 127,482 | E 4,249 | | | | | |
| Adjustment 2 | | | | | | | |
| Total PAD District III | | | | | | | |

¹ Includes the following offshore production (thousand barrels):

Alaska: State - 1,736;
California: Federal - 2,684, State - 3,381;
Louisiana: Federal - 26,923, State - 2,276;
Texas: Federal - 1,827, State - 136;
U.S. Total - 38,963

² These adjustments are used to reconcile the national and PADD level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PADD level figures published in a previous issue. Final data at the State, PAD District and national levels will be published without adjustments in the Petroleum Supply Annual.

Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.
E = Estimated.
- Data not available.

See footnotes at end of table.

Table 12. Natural Gas Processing Plant Production of Petroleum Products by PAD District,¹ November 1984
(Thousand Barrels)

| Commodity | PAD District I | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | | | |
|--|----------------|----------------|-----------------|----------------|-----------------|--------------------|-------------------|--------|--------------|------------------|-----------------|---------------|---------------|------------|-------|-----------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | | New Mexico | Total | Rocky Mt. | Dist. V Coast |
| Natural Gas Liquids | 369 | 575 | 944 | 0 | 1,931 | 526 | 9,269 | 11,726 | 19,157 | 2,498 | 6,974 | 615 | 4,263 | 33,507 | 3,060 | 1,056 | 50,293 |
| Pentanes Plus | 62 | 75 | 137 | 0 | 213 | 130 | 1,235 | 1,578 | 3,310 | 228 | 1,292 | 174 | 857 | 5,861 | 820 | 436 | 8,833 |
| Liquefied Petroleum Gases | 307 | 500 | 807 | 0 | 1,718 | 396 | 8,034 | 10,148 | 15,847 | 2,270 | 5,682 | 441 | 3,406 | 27,646 | 2,240 | 620 | 41,461 |
| Ethane | 96 | 153 | 249 | 0 | 706 | 2 | 3,439 | 4,147 | 6,126 | 928 | 2,570 | 76 | 1,003 | 10,703 | 441 | 9 | 15,549 |
| Propane | 127 | 234 | 361 | 0 | 632 | 234 | 3,115 | 3,981 | 6,177 | 1,207 | 1,903 | 190 | 1,384 | 10,861 | 1,145 | 368 | 16,716 |
| Normal Butane | 63 | 81 | 144 | 0 | 205 | 134 | 1,002 | 1,341 | 2,549 | 64 | 649 | 123 | 704 | 4,089 | 499 | 177 | 6,250 |
| Isobutane | 21 | 32 | 53 | 0 | 175 | 26 | 478 | 679 | 995 | 71 | 560 | 52 | 315 | 1,993 | 155 | 66 | 2,946 |
| Finished Petroleum Products | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 13 | 22 | 40 | 5 | 7 | 3 | 77 | 3 | 0 | 93 |
| Finished Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Finished Leaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 13 | 21 | 0 | 5 | 7 | 3 | 36 | 3 | 0 | 52 |
| Total Production | 369 | 575 | 944 | 0 | 1,932 | 526 | 9,281 | 11,739 | 19,179 | 2,538 | 6,979 | 622 | 4,266 | 33,584 | 3,063 | 1,056 | 50,386 |

¹ Production represents quantity of natural gas processing plant output less input to fractionating facilities.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 13. Refinery Input of Crude Oil and Petroleum Products by PAD District, November 1984
(Thousand Barrels, Except Where Noted)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---|----------------|----------------|--------|-----------------|-----------------|--------------------|-------------------|--------|------------------|------------------|----------------|---------------|-----------------|---------|---------------|-----------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | West Coast |
| Crude Oil (including lease condensate) | 32,586 | 2,853 | 35,439 | 1,868 | 49,091 | 8,838 | 20,175 | 79,972 | 14,693 | 85,416 | 61,371 | 5,059 | 1,435 | 167,974 | 13,203 | 66,513 | 363,101 |
| Pentanes Plus | 38 | 0 | 38 | 0 | 732 | 159 | 963 | 1,854 | 1,258 | 2,821 | 483 | 82 | 103 | 4,747 | 170 | 264 | 7,073 |
| Liquefied Petroleum Gases | 49 | 105 | 154 | 170 | 2,424 | 510 | 1,077 | 4,181 | 912 | 2,284 | 2,273 | 128 | 41 | 5,638 | 433 | 867 | 11,273 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 0 | 50 | 0 | 0 | 50 |
| Propane | 0 | 0 | 0 | 0 | 79 | 0 | 0 | 79 | 0 | 1 | 32 | 0 | 0 | 33 | 2 | 0 | 114 |
| Normal Butane | 0 | 105 | 105 | 95 | 1,514 | 446 | 633 | 2,688 | 602 | 1,562 | 1,437 | 45 | 17 | 3,663 | 369 | 676 | 7,501 |
| Isobutane | 49 | 0 | 49 | 75 | 831 | 64 | 444 | 1,414 | 310 | 721 | 754 | 83 | 24 | 1,892 | 62 | 191 | 3,608 |
| Other Liquids | 1 | 0 | 1 | 0 | 114 | 0 | 4 | 118 | 9 | 246 | 282 | 0 | 6 | 543 | 0 | 363 | 1,025 |
| Other Hydrocarbons and Alcohol | 4,065 | 9 | 4,074 | 40 | 1,615 | 61 | -319 | 1,397 | 346 | 7,221 | 2,408 | 262 | -34 | 10,203 | -10 | 2,294 | 17,958 |
| Unfinished Oil (net) | -317 | -21 | -338 | 7 | 988 | -14 | -99 | 882 | -21 | 2,271 | 331 | 2 | 146 | 2,729 | -120 | -853 | 2,300 |
| Motor Gasoline Blending Components (net) | 0 | 0 | 0 | 0 | 40 | 0 | -12 | 28 | 0 | 3 | 37 | 0 | 0 | 40 | 0 | -5 | 63 |
| Aviation Gasoline Blending Components (net) | 36,422 | 2,946 | 39,368 | 2,085 | 55,004 | 9,554 | 21,789 | 88,432 | 17,197 | 100,262 | 67,185 | 5,533 | 1,697 | 191,874 | 13,676 | 69,443 | 402,793 |
| Total Input to Refineries | | | | | | | | | | | | | | | | | |
| Crude Oil Distillation | | | | | | | | | | | | | | | | | |
| Gross Input (daily average) | 1,111 | 95 | 1,206 | 62 | 1,645 | 312 | 685 | 2,704 | 500 | 2,895 | 2,066 | 153 | 48 | 5,662 | 444 | 2,213 | 12,229 |
| Operable Capacity (daily average) | 1,405 | 174 | 1,579 | 66 | 2,329 | 304 | 791 | 3,490 | 610 | 3,766 | 2,470 | 295 | 71 | 7,211 | 558 | 3,023 | 15,861 |
| Operating Ratio (percent) ¹ | 79.1 | 54.5 | 76.4 | 94.3 | 70.6 | 102.7 | 86.6 | 77.5 | 82.0 | 76.9 | 83.6 | 51.8 | 67.6 | 78.5 | 79.6 | 73.2 | 77.1 |
| Crude Oil Qualities | | | | | | | | | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | 1.07 | .55 | 1.02 | .55 | .80 | 1.89 | .48 | .83 | .64 | 1.06 | .79 | 1.44 | .87 | .93 | .96 | 1.04 | .94 |
| API Gravity, Weighted Average | 31.13 | 38.79 | 31.80 | 37.22 | 36.63 | 30.12 | 37.50 | 36.16 | 38.02 | 34.77 | 32.86 | 33.23 | 38.03 | 34.33 | 35.02 | 25.41 | 32.86 |
| Operable Capacity (daily average) | 1,405 | 174 | 1,579 | 66 | 2,329 | 304 | 791 | 3,490 | 610 | 3,766 | 2,470 | 295 | 71 | 7,211 | 558 | 3,023 | 15,861 |
| Operating | 1,300 | 110 | 1,410 | 66 | 2,054 | 299 | 744 | 3,163 | 542 | 3,225 | 2,316 | 244 | 71 | 6,398 | 530 | 2,844 | 14,344 |
| Idle | 105 | 64 | 169 | 0 | 275 | 5 | 47 | 327 | 68 | 541 | 154 | 51 | 0 | 814 | 28 | 179 | 1,517 |

¹ Represents gross input divided by operable capacity.
Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 14. Refinery Production of Petroleum Products by PAD District, November 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|--------|-----------------|-----------------|--------------------|------------------|--------|------------------|------------------|----------------|---------------|-----------------|---------|---------------|-----------|------------|
| | East Coast #1 | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | West Coast |
| Liquefied Refinery Gases | 1,056 | 28 | 1,084 | 36 | 1,749 | 270 | 399 | 2,454 | -93 | 2,611 | 2,703 | 54 | 29 | 5,304 | 33 | 1,240 | 10,115 |
| For Petrochemical Feedstock Use | 262 | 0 | 262 | 0 | 210 | 0 | 61 | 271 | 64 | 1,649 | 1,629 | 4 | 0 | 3,346 | 7 | 182 | 4,068 |
| For Other Uses | 794 | 28 | 822 | 36 | 1,539 | 270 | 338 | 2,183 | -157 | 962 | 1,074 | 50 | 29 | 1,958 | 26 | 1,058 | 6,047 |
| Ethane | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 494 | 10 | 0 | 0 | 504 | 0 | 0 | 507 |
| For Petrochemical Feedstock Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 415 | 1 | 0 | 0 | 416 | 0 | 0 | 416 |
| For Other Uses | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 79 | 9 | 0 | 0 | 88 | 0 | 0 | 91 |
| Propane | 905 | 28 | 933 | 36 | 1,655 | 272 | 445 | 2,408 | 236 | 2,517 | 1,378 | 48 | 35 | 4,214 | 152 | 1,029 | 8,736 |
| For Petrochemical Feedstock Use | 224 | 0 | 224 | 0 | 210 | 0 | 61 | 271 | 68 | 1,138 | 232 | 0 | 0 | 1,438 | 0 | 177 | 2,110 |
| For Other Uses | 681 | 28 | 709 | 36 | 1,445 | 272 | 384 | 2,137 | 168 | 1,379 | 1,146 | 48 | 35 | 2,776 | 152 | 852 | 6,626 |
| Normal Butane | 148 | 0 | 148 | 0 | 94 | -2 | -46 | 46 | -325 | -503 | 1,315 | 6 | -6 | 487 | -120 | 211 | 772 |
| For Petrochemical Feedstock Use | 38 | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | -7 | 1,396 | 4 | 4 | 1,393 | 6 | 5 | 1,442 |
| For Other Uses | 110 | 0 | 110 | 0 | 94 | -2 | -46 | 46 | -325 | -496 | -81 | 2 | -6 | -906 | -126 | 206 | -670 |
| Isobutane for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -4 | 103 | 0 | 0 | 0 | 99 | 1 | 0 | 100 |
| Finished Motor Gasoline | 16,321 | 1,147 | 17,468 | 1,132 | 32,393 | 5,000 | 12,168 | 50,693 | 9,623 | 50,282 | 32,003 | 1,601 | 856 | 94,365 | 7,253 | 31,363 | 201,142 |
| Finished Leaded Motor Gasoline | 4,707 | 478 | 5,185 | 488 | 12,291 | 2,390 | 6,619 | 21,788 | 4,527 | 17,357 | 11,637 | 732 | 457 | 34,710 | 4,081 | 11,710 | 77,474 |
| Finished Unleaded Motor Gasoline | 11,614 | 669 | 12,283 | 644 | 20,102 | 2,610 | 5,549 | 28,905 | 5,096 | 32,925 | 20,366 | 869 | 399 | 59,655 | 3,172 | 19,653 | 123,668 |
| Finished Aviation Gasoline | 3 | 0 | 3 | 0 | 75 | 0 | 16 | 91 | 39 | 334 | 178 | 0 | 0 | 551 | 45 | 160 | 850 |
| Naphtha-Type Jet Fuel | 603 | 30 | 633 | 64 | 718 | 165 | 125 | 1,072 | 815 | 1,007 | 758 | 178 | 262 | 3,020 | 396 | 1,530 | 6,651 |
| Kerosene-Type Jet Fuel | 1,197 | 0 | 1,197 | -8 | 2,630 | 208 | 678 | 3,508 | 883 | 6,569 | 7,214 | 7 | 22 | 14,695 | 668 | 7,499 | 27,567 |
| Kerosene | 207 | 68 | 275 | 142 | 608 | 165 | 61 | 976 | 34 | 1,270 | 1,092 | 21 | 0 | 2,417 | 35 | 155 | 3,858 |
| Distillate Fuel Oil | 8,666 | 804 | 9,470 | 508 | 10,839 | 2,639 | 6,188 | 20,174 | 3,799 | 20,595 | 13,575 | 1,588 | 327 | 39,884 | 3,628 | 11,429 | 84,585 |
| Residual Fuel Oil | 3,901 | 197 | 4,098 | 74 | 1,602 | 228 | 358 | 2,262 | 823 | 6,305 | 3,367 | 288 | 80 | 10,863 | 299 | 10,557 | 28,079 |
| Naphtha < 400 Deg. For Petro. Feed. Use | 146 | 0 | 146 | 0 | 226 | 0 | 106 | 332 | 139 | 1,614 | 39 | 3 | 0 | 1,795 | 0 | 162 | 2,435 |
| Other Oils > 400 Deg. For Petro. Feed. Use | 6 | 0 | 6 | 0 | 91 | 0 | 0 | 91 | 125 | 3,285 | 1,763 | 0 | 0 | 5,173 | 2 | 190 | 5,462 |
| Special Naphthas | 14 | 29 | 43 | 0 | 166 | 0 | 122 | 288 | 116 | 614 | 145 | 143 | 0 | 1,018 | 2 | 142 | 1,493 |
| Lubricants | 224 | 346 | 570 | 0 | 487 | 0 | 319 | 806 | 17 | 1,950 | 723 | 392 | 0 | 3,082 | 26 | 272 | 4,756 |
| Waxes | 0 | 95 | 95 | 0 | 10 | 0 | 15 | 25 | 6 | 100 | 76 | 55 | 0 | 237 | 16 | 75 | 448 |
| Petroleum Coke | 1,124 | 19 | 1,143 | 27 | 1,857 | 447 | 584 | 2,915 | 301 | 2,648 | 2,310 | 43 | 11 | 5,313 | 274 | 3,509 | 13,154 |
| Marketable | 470 | 0 | 470 | 0 | 964 | 377 | 423 | 1,764 | 58 | 1,106 | 1,525 | 25 | 0 | 2,714 | 122 | 2,672 | 7,742 |
| Catalyst | 654 | 19 | 673 | 27 | 893 | 70 | 161 | 1,151 | 243 | 1,542 | 785 | 18 | 11 | 2,599 | 152 | 837 | 5,412 |
| Asphalt and Road Oil | 2,898 | 58 | 2,956 | 116 | 1,667 | 686 | 579 | 3,048 | 205 | 575 | 915 | 1,008 | 94 | 2,797 | 645 | 1,464 | 10,910 |
| Still Gas | 1,551 | 111 | 1,662 | 55 | 2,143 | 316 | 652 | 3,166 | 409 | 4,626 | 2,507 | 140 | 41 | 7,723 | 448 | 3,640 | 16,639 |
| For Petrochemical Feedstock Use | 202 | 0 | 202 | 0 | 1 | 0 | 0 | 1 | 6 | 416 | 117 | 0 | 0 | 539 | 0 | 106 | 848 |
| For Other Uses | 1,349 | 111 | 1,460 | 55 | 2,142 | 316 | 652 | 3,165 | 403 | 4,210 | 2,390 | 140 | 41 | 7,184 | 448 | 3,534 | 15,791 |
| Miscellaneous Products | 169 | 47 | 216 | 3 | 29 | 34 | 74 | 140 | 13 | 622 | 501 | 43 | 0 | 1,179 | 56 | 170 | 1,761 |
| Fuel Use | 2 | 21 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | -78 | 289 | 0 | 0 | 211 | 12 | 7 | 253 |
| Non-Fuel Use | 167 | 26 | 193 | 3 | 29 | 34 | 74 | 140 | 13 | 700 | 212 | 43 | 0 | 968 | 44 | 163 | 1,508 |
| Total Production | 38,086 | 2,979 | 41,065 | 2,149 | 57,290 | 10,158 | 22,444 | 92,041 | 17,254 | 105,007 | 69,869 | 5,564 | 1,722 | 199,416 | 13,826 | 73,557 | 419,905 |
| Processing Gain(-) or Loss(+) ¹ | -1,664 | -33 | -1,697 | -64 | -2,286 | -604 | -655 | -3,609 | -57 | -4,745 | -2,684 | -31 | -25 | -7,542 | -150 | -4,114 | -17,111 |

¹ Represents the arithmetic difference between input and output.

Note: See Explanatory Note 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 15. Percent Refinery Yield of Petroleum Products by PAD District, November 1984

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|-------|-----------------|-----------------|--------------------|------------------|-------|------------------|------------------|----------------|---------------|-----------------|-------|---------------|------|------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | | |
| | | | | | | | | | | | | | | | | | |
| Finished Motor Gasoline ² | 45.2 | 37.1 | 44.6 | 50.1 | 55.5 | 48.8 | 51.5 | 53.7 | 49.6 | 46.1 | 44.9 | 26.1 | 40.0 | 45.3 | 51.3 | 44.6 | 47.1 |
| Finished Aviation Gasoline ³ | .0 | .0 | .0 | .0 | .1 | .0 | .1 | .1 | .3 | .4 | .2 | .0 | .0 | .3 | .3 | .2 | .2 |
| Liquefied Refinery Gases | 2.9 | 1.0 | 2.7 | 1.9 | 3.4 | 3.0 | 2.0 | 3.0 | -6 | 2.8 | 4.2 | 1.0 | 2.1 | 3.0 | .3 | 1.8 | 2.7 |
| Naphtha-Type Jet Fuel | 1.6 | 1.0 | 1.6 | 3.4 | 1.4 | 1.9 | .6 | 1.3 | 5.4 | 1.1 | 1.2 | 3.3 | 18.7 | 1.7 | 3.0 | 2.2 | 1.7 |
| Kerosene-Type Jet Fuel | 3.3 | 0 | 3.0 | -4 | 5.2 | 2.3 | 3.4 | 4.3 | 5.9 | 7.1 | 11.3 | .1 | 1.6 | 8.2 | 5.1 | 10.9 | 7.2 |
| Kerosene | .6 | 2.4 | .7 | 7.4 | 1.2 | 1.9 | .3 | 1.2 | 2 | 1.4 | 1.7 | .4 | .0 | 1.4 | .3 | .2 | 1.0 |
| Distillate Fuel Oil | 23.6 | 28.1 | 24.0 | 26.6 | 21.4 | 29.7 | 31.2 | 24.8 | 25.3 | 22.2 | 21.3 | 29.8 | 23.3 | 22.4 | 27.5 | 16.6 | 22.2 |
| Residual Fuel Oil | 10.6 | 6.9 | 10.4 | 3.9 | 3.2 | 2.6 | 1.8 | 2.8 | 5.5 | 6.8 | 5.3 | 5.4 | 5.7 | 6.1 | 2.3 | 15.3 | 7.4 |
| Naphtha < 400 Deg. F. Petro. Feed. Use | .4 | 0 | .4 | 0 | .4 | 0 | .5 | .4 | .9 | 1.7 | .1 | .1 | 0 | 1.0 | 0 | .2 | .6 |
| Other Oils > 400 Deg. F. Petro. Feed. Use | .0 | 0 | .0 | 0 | .2 | 0 | 0 | .1 | .8 | 3.5 | 2.8 | 0 | 0 | 2.9 | 0 | .3 | 1.4 |
| Special Naphthas | .0 | 1.0 | .1 | 0 | .3 | 0 | .6 | .4 | .8 | .7 | .2 | 2.7 | 0 | .6 | .0 | .2 | .4 |
| Lubricants | .6 | 12.1 | 1.4 | 0 | 1.0 | 0 | 1.6 | 1.0 | .1 | 2.1 | 1.1 | 7.4 | 0 | 1.7 | .2 | .4 | 1.2 |
| Waxes | 0 | 3.3 | .2 | 0 | .0 | 0 | .1 | .0 | .0 | .1 | .1 | 1.0 | 0 | .1 | .1 | .1 | .1 |
| Petroleum Coke | 3.1 | .7 | 2.9 | 1.4 | 3.7 | 5.0 | 2.9 | 3.6 | 2.0 | 2.9 | 3.6 | .8 | .8 | 3.0 | 2.1 | 5.1 | 3.5 |
| Asphalt and Road Oil | 7.9 | 2.0 | 7.5 | 6.1 | 3.3 | 7.7 | 2.9 | 3.7 | 1.4 | .6 | 1.4 | 18.9 | 6.7 | 1.6 | 4.9 | 2.1 | 2.9 |
| Still Gas | 4.2 | 3.9 | 4.2 | 2.9 | 4.2 | 3.6 | 3.3 | 3.9 | 2.7 | 5.0 | 3.9 | 2.6 | 2.9 | 4.3 | 3.4 | 5.3 | 4.4 |
| Miscellaneous Products | .5 | 1.6 | .5 | .2 | .1 | .4 | .4 | .2 | .1 | .7 | .8 | .8 | 0 | .7 | .4 | .2 | .5 |
| Processing Gain(-) or Loss(+) ⁴ | -4.5 | -1.2 | -4.3 | -3.4 | -4.5 | -6.8 | -3.3 | -4.4 | -4 | -5.1 | -4.2 | -6 | -1.8 | -4.2 | -1.1 | -6.0 | -4.5 |

¹ Based on crude oil input and net returns of unfinished oils.² Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.³ Based on finished aviation gasoline output plus net output of aviation gasoline blending components.⁴ Represents the difference between input and production.

Note: Total may not equal sum of components due to independent rounding.

Note: See Explanatory 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 16. Imports of Crude Oil and Petroleum Products by PAD District, November 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|--|--|--------|--------|-------|-------|---------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ^{1 2} | 30,411 | 14,378 | 53,331 | 1,188 | 7,238 | 106,546 |
| Natural Gas Liquids | 1,089 | 3,604 | 2,393 | 795 | 659 | 8,540 |
| Pentanes Plus | 61 | 0 | 1,685 | 165 | 274 | 2,185 |
| Liquefied Petroleum Gases | 1,028 | 3,604 | 708 | 629 | 385 | 6,355 |
| Ethane | 1 | 783 | 0 | 0 | 1 | 785 |
| Propane | 936 | 1,293 | 170 | 303 | 47 | 2,749 |
| Normal Butane | 55 | 917 | 331 | 196 | 202 | 1,701 |
| Isobutane | 37 | 611 | 207 | 130 | 135 | 1,120 |
| Other Liquids ¹ | 3,521 | 220 | 5,937 | 0 | 512 | 10,191 |
| Unfinished Oils ¹ | 1,489 | 220 | 5,701 | 0 | 2 | 7,412 |
| Motor Gasoline Blending Components | 2,032 | 0 | 236 | 0 | 511 | 2,779 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 33,842 | 492 | 4,644 | 186 | 1,566 | 40,729 |
| Finished Motor Gasoline | 7,328 | 90 | 374 | 47 | 729 | 8,569 |
| Finished Leaded Motor Gasoline | 3,494 | 36 | 97 | 47 | 358 | 4,031 |
| Finished Unleaded Motor Gasoline | 3,834 | 54 | 277 | 1 | 371 | 4,538 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 373 | 0 | 0 | 0 | 6 | 379 |
| Kerosene-Type Jet Fuel | 475 | 0 | 0 | 0 | 183 | 658 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 475 | 0 | 0 | 0 | 183 | 658 |
| Kerosene | 582 | 0 | 455 | 0 | 0 | 1,037 |
| Distillate Fuel Oil | 8,813 | 92 | (s) | 117 | 222 | 9,245 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 8,813 | 92 | (s) | 117 | 222 | 9,245 |
| Residual Fuel Oil | 15,682 | 67 | 1,605 | 21 | 256 | 17,630 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 15,682 | 67 | 1,605 | 21 | 256 | 17,630 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 6 | 10 | 1,173 | 0 | 0 | 1,188 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 114 | 150 | 961 | 1 | 13 | 1,239 |
| Lubricants | 290 | 11 | 21 | 0 | 43 | 364 |
| Waxes | 6 | 11 | 5 | 0 | 4 | 26 |
| Asphalt and Road Oil | 159 | 6 | 39 | 0 | 109 | 314 |
| Miscellaneous Products | 14 | 54 | 11 | (s) | 1 | 81 |
| Total Imports | 68,863 | 18,694 | 66,305 | 2,169 | 9,975 | 166,006 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.² Includes crude oil imported for storage in the Strategic Petroleum Reserve.
(s) = Less than 500 barrels.Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 17. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January - November 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|--|--|----------------|----------------|---------------|----------------|------------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ^{1 2} | 308,018 | 167,439 | 595,071 | 11,141 | 66,713 | 1,148,381 |
| Natural Gas Liquids | 14,170 | 44,809 | 9,253 | 5,817 | 5,762 | 79,811 |
| Pentanes plus | 8,172 | 0 | 5,359 | 1,122 | 1,097 | 15,750 |
| Liquefied Petroleum Gases | 5,998 | 44,809 | 3,893 | 4,695 | 4,665 | 64,061 |
| Ethane | 369 | 22,387 | 0 | 0 | 1 | 22,758 |
| Propane | 3,613 | 13,768 | 1,597 | 2,262 | 705 | 21,945 |
| Normal Butane | 1,209 | 5,198 | 1,448 | 1,460 | 2,375 | 11,690 |
| Isobutane | 806 | 3,456 | 849 | 973 | 1,584 | 7,668 |
| Other Liquids ¹ | 32,937 | 3,677 | 57,022 | 0 | 12,218 | 105,854 |
| Unfinished Oils ¹ | 17,718 | 3,602 | 52,633 | 0 | 4,449 | 78,403 |
| Motor Gasoline Blending Components | 15,218 | 75 | 4,388 | 0 | 7,764 | 27,445 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 6 | 6 |
| Finished Petroleum Products | 397,017 | 10,968 | 56,415 | 2,156 | 16,823 | 483,378 |
| Finished Motor Gasoline | 81,977 | 1,400 | 6,462 | 654 | 6,569 | 97,063 |
| Finished Leaded Motor Gasoline | 36,991 | 913 | 3,338 | 627 | 2,403 | 44,273 |
| Finished Unleaded Motor Gasoline | 44,986 | 487 | 3,124 | 27 | 4,166 | 52,790 |
| Finished Aviation Gasoline | 588 | 0 | 0 | 2 | 13 | 602 |
| Naphtha-Type Jet Fuel | 2,659 | 0 | 1,888 | 0 | 14 | 4,561 |
| Kerosene-Type Jet Fuel | 13,682 | 0 | 0 | 0 | 1,581 | 15,263 |
| Bonded Aircraft Fuel | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 13,682 | 0 | 0 | 0 | 1,581 | 15,263 |
| Kerosene | 3,490 | 0 | 461 | 0 | (s) | 3,951 |
| Distillate Fuel Oil | 85,727 | 2,770 | 1,029 | 1,317 | 2,012 | 92,855 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 85,727 | 2,770 | 1,029 | 1,317 | 2,012 | 92,855 |
| Residual Fuel Oil | 197,958 | 1,761 | 23,058 | 143 | 4,249 | 227,168 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 197,958 | 1,761 | 23,058 | 143 | 4,249 | 227,168 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 748 | 126 | 10,595 | 0 | 0 | 11,469 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 2,975 | 4,103 | 10,654 | 5 | 1,172 | 18,909 |
| Lubricants | 2,358 | 127 | 328 | 1 | 743 | 3,557 |
| Waxes | 149 | 81 | 198 | 0 | 36 | 464 |
| Asphalt and Road Oil | 3,239 | 170 | 250 | 33 | 397 | 4,089 |
| Miscellaneous Products | 1,468 | 430 | 1,491 | 2 | 35 | 3,427 |
| Total Imports | 752,141 | 226,893 | 717,760 | 19,114 | 101,516 | 1,817,424 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, November 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|-------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 5,053 | 305 | 0 | 0 | 0 | 0 | 0 | 200 | 1,374 | 0 | 1,912 | 3,792 | 8,845 | 295 |
| Kuwait | 1,400 | 0 | 0 | 0 | 0 | 0 | 0 | 336 | 0 | 0 | 0 | 336 | 1,736 | 58 |
| Qatar | 0 | 163 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 163 | 5 |
| Saudi Arabia | 4,483 | 781 | 0 | 0 | 224 | 0 | 0 | 0 | 0 | 0 | (s) | 1,005 | 5,488 | 183 |
| United Arab Emirates | 2,647 | 0 | 0 | 540 | 0 | 0 | 0 | 532 | 0 | 0 | 0 | 1,072 | 3,718 | 124 |
| Subtotal Arab OPEC | 13,583 | 1,249 | 0 | 540 | 224 | 0 | 0 | 1,069 | 1,374 | 0 | 1,912 | 6,367 | 19,950 | 665 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,851 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 0 | 0 | 180 | 2,031 | 68 |
| Gabon | 1,275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,275 | 42 |
| Indonesia | 11,578 | 0 | 404 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 274 | 677 | 12,256 | 409 |
| Iran | 732 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 732 | 24 |
| Nigeria | 4,891 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,891 | 163 |
| Venezuela | 7,647 | 0 | 1,345 | 0 | 1,105 | 230 | 30 | 2,182 | 3,428 | 0 | 119 | 8,439 | 16,085 | 536 |
| Subtotal Other OPEC | 27,973 | 0 | 1,749 | 0 | 1,105 | 230 | 30 | 2,182 | 3,608 | 0 | 392 | 9,296 | 37,269 | 1,242 |
| Other | | | | | | | | | | | | | | |
| Angola | 1,885 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 688 | 0 | 0 | 688 | 2,573 | 86 |
| Australia | 2,231 | 0 | 243 | 0 | 131 | 55 | 0 | 54 | 72 | 0 | 0 | 556 | 2,787 | 93 |
| Bahamas | 0 | 0 | 941 | 0 | 0 | 0 | 0 | 631 | 534 | 258 | 272 | 2,636 | 2,636 | 88 |
| Brazil | 0 | 0 | 0 | 236 | 1,386 | 0 | 0 | 0 | 939 | 43 | 0 | 2,603 | 2,603 | 87 |
| Canada | 11,282 | 5,104 | 226 | 0 | 404 | 6 | 55 | 660 | 757 | 176 | 435 | 7,822 | 19,104 | 637 |
| Congo | 509 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509 | 17 |
| Egypt | 350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350 | 12 |
| France | 0 | 0 | 0 | 0 | 202 | 0 | 0 | 223 | 0 | (s) | 1 | 426 | 426 | 14 |
| Ghana | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) |
| Mexico | 19,995 | 0 | 2,028 | 247 | 888 | 22 | 0 | 398 | 951 | 0 | 138 | 4,672 | 24,667 | 822 |
| Netherlands | (s) | (s) | 224 | 256 | 858 | 0 | 0 | 901 | 0 | 0 | 4 | 2,243 | 2,243 | 75 |
| Netherlands Antilles | 0 | 0 | 1,147 | 0 | 0 | 297 | 0 | 0 | 3,691 | 0 | 98 | 5,235 | 5,235 | 174 |
| Norway | 3,549 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,549 | 118 |
| Oman | 565 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 565 | 19 |
| People's Republic of China | 624 | 0 | 0 | 400 | 173 | 0 | 0 | 0 | 0 | 0 | 0 | 573 | 1,198 | 40 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 227 | 478 | 478 | 16 |
| Puerto Rico | 0 | 0 | 0 | 0 | 251 | 108 | 0 | 368 | 0 | 355 | 238 | 1,320 | 1,320 | 44 |
| Romania | 0 | 0 | 0 | 827 | 277 | 0 | 0 | 0 | 0 | 0 | 0 | 1,104 | 1,104 | 37 |
| Spain | 0 | 0 | 0 | 111 | 90 | 0 | 0 | 0 | 0 | 2 | 10 | 102 | 102 | 3 |
| Trinidad and Tobago | 3,345 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 3,456 | 115 |
| United Kingdom | 15,483 | 2 | 0 | 0 | 566 | 0 | 0 | 0 | 0 | 0 | 263 | 831 | 16,314 | 544 |
| Virgin Islands | 0 | 0 | 514 | 0 | 1,334 | 266 | 812 | 1,368 | 4,125 | 0 | 81 | 8,501 | 8,501 | 283 |
| Yugoslavia | 0 | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 188 | 6 |
| Zaire | 780 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 780 | 26 |
| Other Western Hemisphere | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138 | 41 | 179 | 328 | 11 |
| Other Eastern Hemisphere | 4,241 | (s) | 339 | 163 | 491 | 53 | 140 | 1,391 | 640 | 266 | 46 | 3,530 | 7,772 | 259 |
| Subtotal Other | 64,990 | 5,105 | 5,663 | 2,239 | 7,240 | 807 | 1,007 | 5,994 | 12,648 | 1,239 | 1,853 | 43,797 | 108,787 | 3,626 |
| Total Imports | 106,546 | 6,355 | 7,412 | 2,779 | 8,569 | 1,037 | 1,037 | 9,245 | 17,630 | 1,239 | 4,158 | 59,460 | 166,006 | 5,534 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, November 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|---------------|--------------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 3,865 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 1,374 | 0 | 0 | 1,575 | 5,440 | 181 |
| Kuwait | 871 | 0 | 0 | 0 | 0 | 0 | 0 | 336 | 0 | 0 | 0 | 0 | 1,207 | 40 |
| Qatar | 0 | 163 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 163 | 5 |
| Saudi Arabia | 1,593 | 378 | 0 | 0 | 224 | 0 | 0 | 0 | 0 | 0 | (s) | 602 | 2,195 | 73 |
| United Arab Emirates | 0 | 0 | 0 | 540 | 0 | 0 | 0 | 532 | 0 | 0 | 0 | 1,072 | 1,072 | 36 |
| Subtotal Arab OPEC | 6,329 | 541 | 0 | 540 | 224 | 0 | 0 | 1,069 | 1,374 | 0 | (s) | 3,747 | 10,076 | 336 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 0 | 0 | 180 | 180 | 6 |
| Gabon | 301 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 301 | 10 |
| Indonesia | 2,586 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,586 | 86 |
| Nigeria | 3,283 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,283 | 109 |
| Venezuela | 2,989 | 0 | 0 | 0 | 1,105 | 230 | 30 | 2,182 | 3,179 | 0 | 119 | 6,844 | 9,833 | 328 |
| Subtotal Other OPEC | 9,159 | 0 | 0 | 0 | 1,105 | 230 | 30 | 2,182 | 3,359 | 0 | 119 | 7,024 | 16,183 | 539 |
| Other | | | | | | | | | | | | | | |
| Angola | 1,439 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 688 | 0 | 0 | 688 | 2,127 | 71 |
| Bahamas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 631 | 534 | 0 | 0 | 1,165 | 1,165 | 39 |
| Brazil | 0 | 0 | 0 | 0 | 1,289 | 0 | 0 | 0 | 939 | 0 | 0 | 2,228 | 2,228 | 74 |
| Canada | 1,451 | 485 | 5 | 0 | 46 | 0 | 55 | 313 | 635 | 13 | 123 | 1,675 | 3,125 | 104 |
| Egypt | 350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350 | 12 |
| France | 0 | 0 | 0 | 0 | 202 | 0 | 0 | 223 | 0 | (s) | 0 | 425 | 425 | 14 |
| Ghana | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) |
| Mexico | 3,235 | 0 | 0 | 247 | 888 | 22 | 0 | 398 | 310 | 0 | 0 | 1,865 | 5,099 | 170 |
| Netherlands | (s) | 0 | 224 | 256 | 858 | 0 | 0 | 901 | 0 | 0 | 1 | 2,240 | 2,240 | 75 |
| Netherlands Antilles | 0 | 0 | 922 | 0 | 0 | 223 | 0 | 0 | 3,691 | 0 | 44 | 4,880 | 4,880 | 163 |
| Norway | 993 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 993 | 33 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 624 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 624 | 21 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 250 | 8 |
| Puerto Rico | 0 | 0 | 0 | 827 | 251 | 108 | 0 | 368 | 0 | 101 | 238 | 1,066 | 1,066 | 36 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 827 | 827 | 28 |
| Spain | 0 | 0 | 0 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | (s) | 91 | 91 | 3 |
| Trinidad and Tobago | 490 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 490 | 16 |
| United Kingdom | 5,029 | 2 | 0 | 0 | 566 | 0 | 0 | 0 | 0 | 0 | 7 | 575 | 5,603 | 187 |
| Virgin Islands | 0 | 0 | 0 | 0 | 1,334 | 266 | 357 | 1,368 | 3,901 | 0 | 0 | 7,226 | 7,226 | 241 |
| Yugoslavia | 0 | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 188 | 6 |
| Zaire | 780 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 780 | 26 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 531 | 0 | 339 | 163 | 287 | 0 | 140 | 1,360 | 0 | 0 | 5 | 2,295 | 2,826 | 94 |
| Subtotal Other | 14,923 | 488 | 1,489 | 1,492 | 5,999 | 619 | 552 | 5,562 | 10,948 | 114 | 418 | 27,681 | 42,604 | 1,420 |
| Total Imports | 30,411 | 1,028 | 1,489 | 2,032 | 7,328 | 848 | 582 | 8,813 | 15,682 | 114 | 537 | 38,452 | 68,863 | 2,295 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, November 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|---------------|--------------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 350 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 350 | 12 |
| Kuwait | 529 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 529 | 18 |
| United Arab Emirates | 1,421 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,421 | 47 |
| Subtotal Arab OPEC | 2,300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,300 | 77 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 372 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 372 | 12 |
| Nigeria | 521 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 521 | 17 |
| Subtotal Other OPEC | 893 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 893 | 30 |
| Other | | | | | | | | | | | | | | |
| Canada | 8,642 | 3,604 | 220 | 0 | 90 | 0 | 0 | 92 | 67 | 150 | 92 | 4,316 | 12,958 | 432 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) |
| Mexico | 1,098 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,098 | 37 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 438 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 438 | 15 |
| United Kingdom | 1,006 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 1,006 | 34 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Subtotal Other | 11,184 | 3,604 | 220 | 0 | 90 | 0 | 0 | 92 | 67 | 150 | 92 | 4,316 | 15,501 | 517 |
| Total Imports | 14,378 | 3,604 | 220 | 0 | 90 | 0 | 0 | 92 | 67 | 150 | 92 | 4,316 | 18,694 | 623 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 839 | 305 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,912 | 2,217 | 3,056 | 102 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 2,890 | 403 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 403 | 3,293 | 110 |
| United Arab Emirates | 1,225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,225 | 41 |
| Subtotal Arab OPEC | 4,954 | 708 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,912 | 2,620 | 7,574 | 252 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 1,478 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,478 | 49 |
| Gabon | 974 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 974 | 32 |
| Indonesia | 2,473 | 0 | 404 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 404 | 2,877 | 96 |
| Iran | 732 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 732 | 24 |
| Nigeria | 1,086 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,086 | 36 |
| Venezuela | 4,658 | 0 | 1,345 | 0 | 0 | 0 | 0 | 0 | 249 | 0 | 0 | 1,594 | 6,252 | 208 |
| Subtotal Other OPEC | 11,402 | 0 | 1,749 | 0 | 0 | 0 | 0 | 0 | 249 | 0 | 0 | 1,998 | 13,400 | 447 |
| Other | | | | | | | | | | | | | | |
| Angola | 446 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 446 | 15 |
| Australia | 1,512 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 243 | 1,755 | 58 |
| Bahamas | 0 | 0 | 941 | 0 | 0 | 0 | 0 | 0 | 0 | 258 | 272 | 1,471 | 1,471 | 49 |
| Brazil | 0 | 0 | 0 | 236 | 97 | 0 | 0 | 0 | 0 | 43 | 0 | 375 | 375 | 13 |
| Canada | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35 | 35 | 36 | 1 |
| Congo | 509 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 509 | 17 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|------------|------------------|------------------------------|-------------------------|------------|-----------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Mexico | 15,663 | 0 | 2,028 | 0 | 0 | 0 | 0 | 0 (\$) | 635 | 0 | 44 | 2,707 | 18,370 | 612 (\$) |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 8 |
| Netherlands Antilles | 0 | 0 | 226 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 237 | 237 | 85 |
| Norway | 2,556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,556 | 19 |
| Oman | 565 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 565 | 8 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 227 | 227 | 227 | 9 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 254 | 0 | 254 | 254 | 8 |
| Romania | 0 | 0 | 0 | 0 | 277 | 0 | 0 | 0 | 0 | 0 | 0 | 277 | 277 | 12 (\$) |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 12 | 12 | 81 |
| Trinidad and Tobago | 2,417 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,417 | 324 |
| United Kingdom | 9,449 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 256 | 256 | 9,705 | 42 |
| Virgin Islands | 0 | 0 | 514 | 0 | 0 | 0 | 0 | 0 | 224 | 0 | 81 | 1,275 | 1,275 | 11 |
| Other Western Hemisphere | 149 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 138 | 41 | 179 | 328 | 150 |
| Other Eastern Hemisphere | 3,710 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 497 | 266 | 40 | 802 | 4,512 | 1,511 |
| Subtotal Other | 36,975 | 0 | 3,952 | 236 | 374 | 0 | 455 (\$) | 1,356 | 1,356 | 961 | 1,021 | 8,356 | 45,331 | 2,210 |
| Total Imports | 53,331 | 708 | 5,701 | 236 | 374 | 0 | 455 (\$) | 1,605 | 1,605 | 961 | 2,933 | 12,974 | 66,305 | |
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 1,188 | 629 | 0 | 0 | 47 | 0 | 0 | 117 | 21 | 1 | 166 | 981 | 2,169 | 72 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 1,188 | 629 | 0 | 0 | 47 | 0 | 0 | 117 | 21 | 1 | 166 | 981 | 2,169 | 72 |
| Total Imports | 1,188 | 629 | 0 | 0 | 47 | 0 | 0 | 117 | 21 | 1 | 166 | 981 | 2,169 | 72 |
| PAD District V | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Indonesia | 6,519 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 274 | 274 | 6,792 | 226 |
| Subtotal Other OPEC | 6,519 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 274 | 274 | 6,792 | 226 |
| Other | | | | | | | | | | | | | | |
| Australia | 719 | 0 | 0 | 0 | 131 | 55 | 0 | 54 | 72 | 0 | 0 | 312 | 1,032 | 34 |
| Canada | 0 | 385 | 2 | 0 | 220 | 6 | 0 | 138 | 34 | 13 | 19 | 816 | 816 | 27 (\$) |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 94 | 100 | 100 | 4 (\$) |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 75 | 0 | 0 | 0 | 0 | 43 | 117 | 117 | 19 |
| People's Republic of China | 0 | 0 | 0 | 400 | 173 | 0 | 0 | 0 | 0 | 0 | 0 | 573 | 573 | 14 |
| Trinidad and Tobago | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 111 | 106 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 204 | 53 | 0 | 31 | 144 | 0 | 1 | 433 | 433 | 332 |
| Subtotal Other | 719 | 385 | 2 | 511 | 729 | 189 | 0 | 222 | 256 | 13 | 157 | 2,463 | 3,182 | |
| Total Imports | 7,238 | 385 | 2 | 511 | 729 | 189 | 0 | 222 | 256 | 13 | 430 | 2,736 | 9,975 | |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.
2 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.
(\$) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - November 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|-------------|--------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 66,728 | 671 | 598 | 399 | 434 | 327 | 0 | 6,745 | 18,586 | 3,210 | 12,002 | 42,973 | 109,702 | 327 |
| Iraq | 3,151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 3,151 | 9 |
| Kuwait | 7,205 | 0 | 0 | 0 | 0 | 0 | 0 | 336 | 4,019 | 0 | 0 | 4,356 | 11,560 | 35 |
| Qatar | 1,497 | 163 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 1,660 | 5 |
| Saudi Arabia | 107,353 | 1,698 | 1,119 | 0 | 224 | 0 | 0 | 0 | 1,013 | 0 | (s) | 4,054 | 111,406 | 333 |
| United Arab Emirates | 26,418 | 0 | 1,049 | 2,682 | 357 | 221 | 0 | 1,097 | 2,291 | 0 | 2,169 | 9,865 | 36,283 | 108 |
| Subtotal Arab OPEC | 212,352 | 2,532 | 2,766 | 3,081 | 1,015 | 548 | 0 | 8,178 | 25,910 | 3,210 | 14,171 | 61,411 | 273,763 | 817 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 16,394 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,940 | 0 | 0 | 2,940 | 19,334 | 58 |
| Gabon | 18,335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 18,641 | 56 |
| Indonesia | 101,304 | 1,356 | 2,835 | 0 | 1,354 | 200 | 0 | 368 | 5,946 | 1,225 | 892 | 14,176 | 115,480 | 345 |
| Iran | 3,320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,320 | 10 |
| Nigeria | 70,445 | 0 | 1,582 | 0 | 0 | 0 | 0 | 53 | 1,194 | 0 | 248 | 3,077 | 73,523 | 219 |
| Venezuela | 85,156 | 0 | 8,084 | 944 | 19,241 | 4,437 | 302 | 22,835 | 38,326 | 68 | 2,750 | 96,987 | 182,143 | 544 |
| Subtotal Other OPEC | 294,954 | 1,356 | 12,502 | 944 | 20,594 | 4,637 | 302 | 23,256 | 48,653 | 1,353 | 3,890 | 117,487 | 412,441 | 1,231 |
| Other | | | | | | | | | | | | | | |
| Angola | 29,286 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,853 | 0 | 0 | 1,853 | 31,139 | 93 |
| Australia | 7,535 | 504 | 243 | 0 | 857 | 173 | 0 | 319 | 1,585 | 0 | 208 | 3,889 | 11,424 | 34 |
| Bahamas | 0 | 0 | 9,649 | 506 | 0 | 1,402 | 69 | 6,193 | 7,768 | 516 | 3,120 | 29,224 | 29,224 | 87 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 2 | 0 | 0 | 470 | 8,584 | 0 | 0 | 0 | 9,906 | 303 | 24 | 19,286 | 19,288 | 58 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 113,309 | 56,832 | 3,520 | 75 | 5,940 | 222 | 139 | 11,371 | 8,148 | 4,860 | 4,588 | 95,694 | 209,003 | 624 |
| Congo | 11,171 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,875 | 0 | (s) | 1,875 | 13,046 | 39 |
| Egypt | 3,485 | 0 | (s) | 0 | 0 | 0 | (s) | 656 | 299 | 1 | 17 | 1,952 | 3,485 | 10 |
| France | 0 | 0 | 0 | 0 | 979 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Ghana | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 251 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 6 |
| Malaysia | 0 | 0 | 125 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 409 | 409 | 1 |
| Mexico | 220,519 | 1,820 | 13,387 | 4,924 | 2,159 | 357 | 0 | 1,869 | 2,947 | 300 | 1,098 | 28,860 | 249,379 | 744 |
| Netherlands | 1,046 | 1 | 224 | 634 | 8,030 | 196 | 0 | 9,129 | 1,418 | 340 | 820 | 20,791 | 21,838 | 65 |
| Netherlands Antilles | 0 | 28 | 11,129 | 426 | 6,397 | 1,230 | 0 | 2,871 | 40,729 | 35 | 667 | 63,512 | 63,512 | 190 |
| Norway | 38,803 | (s) | 0 | 0 | 0 | 451 | 0 | 366 | 0 | 0 | 0 | 817 | 39,620 | 118 |
| Oman | 3,822 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,239 | 0 | 0 | 1,239 | 5,061 | 15 |
| People's Republic of China | 4,884 | 0 | 668 | 8,020 | 1,290 | 0 | 0 | 0 | 0 | 347 | 33 | 10,357 | 15,241 | 45 |
| Peru | 224 | 0 | 755 | 0 | 0 | 223 | 0 | 0 | 5,120 | 0 | 450 | 6,547 | 6,771 | 20 |
| Puerto Rico | 0 | 0 | 1,298 | 0 | 3,957 | 561 | 70 | 1,519 | 0 | 4,096 | 2,271 | 13,772 | 13,772 | 41 |
| Romania | 0 | 0 | 252 | 6,180 | 3,390 | 0 | 0 | 126 | 389 | 423 | 3,634 | 14,395 | 14,395 | 43 |
| Spain | 0 | 0 | 218 | 0 | 1,257 | 1,016 | 0 | 123 | 782 | 14 | 200 | 3,610 | 3,610 | 11 |
| Trinidad and Tobago | 29,096 | 0 | 13 | 111 | 0 | 0 | 0 | 504 | 1,731 | 7 | 16 | 2,382 | 31,478 | 94 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| United Kingdom | 126,420 | 562 | 737 | 370 | 3,969 | 325 | 0 | 163 | 655 | 156 | 978 | 7,914 | 134,334 | 401 |
| Virgin Islands | 0 | 0 | 11,245 | 43 | 16,408 | 6,457 | 3,163 | 17,173 | 44,622 | 402 | 708 | 100,223 | 100,223 | 299 |
| Yugoslavia | 0 | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 188 | 1 |
| Zaire | 10,232 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,232 | 31 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 871 | 127 | 1,699 | 39 | 231 | 0 | 6 | 361 | 6,852 | 446 | 248 | 10,009 | 10,880 | 32 |
| Other Eastern Hemisphere | 40,105 | 301 | 7,974 | 1,623 | 11,657 | 2,020 | 200 | 8,657 | 12,459 | 2,101 | 2,222 | 49,215 | 89,320 | 267 |
| Subtotal Other | 641,075 | 60,173 | 63,135 | 23,421 | 75,453 | 14,639 | 3,649 | 61,421 | 152,606 | 14,346 | 21,302 | 490,146 | 1,131,220 | 3,377 |

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|------------------|------------------------------|-------------------------|---------------|--------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 21,058 | 367 | 0 | 0 | 434 | 327 | 0 | 6,695 | 16,833 | 218 | 2,019 | 26,893 | 47,951 | 143 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Kuwait | 1,378 | 0 | 0 | 0 | 0 | 0 | 0 | 336 | 0 | 0 | 0 | 336 | 1,714 | 5 |
| Qatar | 0 | 163 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 163 | 163 | (s) |
| Saudi Arabia | 25,181 | 1,295 | 867 | 0 | 224 | 0 | 0 | 0 | 0 | 0 | (s) | 2,386 | 27,567 | 82 |
| United Arab Emirates | 836 | 0 | 2,682 | 0 | 357 | 0 | 0 | 1,097 | 434 | 0 | 1,628 | 6,197 | 7,033 | 21 |
| Subtotal Arab OPEC | 48,453 | 1,825 | 867 | 2,682 | 1,015 | 327 | 0 | 8,128 | 17,267 | 218 | 3,647 | 35,975 | 84,428 | 252 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,940 | 0 | 0 | 2,940 | 3,242 | 10 |
| Gabon | 5,364 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 5,670 | 17 |
| Indonesia | 24,120 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 1,389 | 0 | 0 | 1,617 | 25,736 | 77 |
| Nigeria | 23,202 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 704 | 0 | 0 | 754 | 23,956 | 72 |
| Venezuela | 26,067 | 0 | 0 | 114 | 16,705 | 4,035 | 302 | 22,779 | 35,573 | 0 | 2,246 | 81,754 | 107,821 | 322 |
| Subtotal Other OPEC | 79,055 | 0 | 228 | 114 | 16,705 | 4,035 | 302 | 22,829 | 40,853 | 60 | 2,246 | 87,371 | 166,426 | 497 |
| Other | | | | | | | | | | | | | | |
| Angola | 18,708 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,853 | 0 | 0 | 1,853 | 20,561 | 61 |
| Australia | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 746 | 0 | 0 | 746 | 1,419 | 4 |
| Bahamas | 0 | 0 | 481 | 0 | 0 | 1,402 | 69 | 5,845 | 7,768 | 0 | 180 | 15,744 | 15,744 | 47 |
| Brazil | 2 | 0 | 0 | 0 | 6,849 | 0 | 0 | 0 | 9,641 | 0 | 1 | 16,490 | 16,493 | 49 |
| Canada | 12,811 | 3,219 | 178 | 0 | 2,457 | 0 | 139 | 6,948 | 6,124 | 209 | 2,312 | 21,587 | 34,398 | 103 |
| Congo | 3,941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,875 | 0 | 0 | 1,875 | 5,816 | 17 |
| Egypt | 2,810 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,810 | 0 | 0 | 2,810 | 2,810 | 8 |
| France | 0 | (s) | 0 | 0 | 979 | 0 | 0 | 656 | 299 | 1 | 1 | 1,936 | 1,936 | 6 |
| Ghana | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 251 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 6 |
| Mexico | 33,118 | 0 | 0 | 4,052 | 1,719 | 328 | 0 | 1,658 | 1,228 | 291 | 349 | 9,624 | 42,742 | 128 |
| Netherlands | 1 | 1 | 224 | 474 | 8,030 | 196 | 0 | 9,129 | 1,418 | 36 | 251 | 19,759 | 19,760 | 59 |
| Netherlands Antilles | 0 | 0 | 8,100 | 426 | 5,108 | 1,116 | 0 | 2,513 | 40,363 | 0 | 397 | 58,023 | 58,023 | 173 |
| Norway | 23,223 | 0 | 0 | 0 | 0 | 89 | 0 | 366 | 0 | 0 | 0 | 456 | 23,678 | 71 |
| Oman | 1,489 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 585 | 0 | 0 | 585 | 2,074 | 6 |
| People's Republic of China | 3,850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 3,850 | 11 |
| Peru | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,858 | 0 | (s) | 4,858 | 4,860 | 15 |
| Puerto Rico | 0 | 0 | 1,298 | 0 | 3,957 | 561 | 70 | 1,280 | 0 | 1,497 | 2,116 | 10,779 | 10,779 | 32 |
| Romania | 0 | 0 | 252 | 5,959 | 2,809 | 0 | 0 | 126 | 389 | 183 | 3,634 | 13,352 | 13,352 | 40 |
| Spain | 0 | 0 | 0 | 0 | 1,257 | 825 | 0 | 123 | 782 | 0 | 173 | 3,160 | 3,160 | 9 |
| Trinidad and Tobago | 5,562 | 0 | 13 | 0 | 0 | 0 | 0 | 504 | 1,731 | 7 | 0 | 2,255 | 7,817 | 23 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| United Kingdom | 60,576 | 527 | 471 | 79 | 3,842 | 154 | 0 | 163 | 655 | (s) | 294 | 6,185 | 66,761 | 199 |
| Virgin Islands | 0 | 0 | 4,611 | 43 | 16,408 | 6,457 | 2,708 | 17,173 | 42,800 | 0 | 0 | 90,201 | 90,201 | 269 |
| Yugoslavia | 0 | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 188 | 1 |
| Zaire | 5,739 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,739 | 17 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 127 | 611 | 0 | 231 | 0 | 0 | 32 | 6,852 | 0 | 8 | 7,860 | 7,860 | 23 |
| Other Eastern Hemisphere | 7,998 | 300 | 384 | 1,389 | 10,422 | 851 | 200 | 8,254 | 7,740 | 474 | 1,115 | 31,129 | 39,128 | 117 |
| Subtotal Other | 180,510 | 4,173 | 16,624 | 12,422 | 64,257 | 11,979 | 3,188 | 54,770 | 139,838 | 2,697 | 10,829 | 320,777 | 501,287 | 1,496 |
| Total Imports | 308,018 | 5,998 | 17,718 | 15,218 | 81,977 | 16,340 | 3,490 | 85,727 | 197,958 | 2,975 | 16,721 | 444,124 | 752,141 | 2,245 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - November 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|-------------|--------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 7,680 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,680 | 23 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 728 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 728 | 2 |
| Saudi Arabia | 2,659 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,659 | 8 |
| United Arab Emirates | 3,490 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,490 | 10 |
| Subtotal Arab OPEC | 14,558 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,558 | 43 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 3,551 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,551 | 11 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 1,556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,556 | 5 |
| Nigeria | 8,605 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 8,808 | 26 |
| Venezuela | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 | 473 | 1 |
| Subtotal Other OPEC | 14,129 | 0 | 203 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 259 | 14,388 | 43 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 218 | 1 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 83,000 | 44,808 | 3,181 | 75 | 1,400 | 0 | 0 | 2,715 | 1,761 | 4,103 | 930 | 58,972 | 141,971 | 424 |
| Congo | 2,845 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 2,845 | 8 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) |
| Mexico | 38,190 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38,190 | 114 |
| Netherlands | 1,044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,044 | 3 |
| Norway | 1,076 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,076 | 3 |
| Peru | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 6,196 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,196 | 18 |
| United Kingdom | 4,644 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4,647 | 14 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 1,535 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 2 | 3 | 1,538 | 5 |
| Subtotal Other | 138,752 | 44,809 | 3,399 | 75 | 1,400 | 0 | 0 | 2,715 | 1,761 | 4,103 | 934 | 59,195 | 197,947 | 591 |
| Total Imports | 167,439 | 44,809 | 3,602 | 75 | 1,400 | 0 | 0 | 2,770 | 1,761 | 4,103 | 934 | 59,454 | 226,893 | 677 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 37,056 | 305 | 345 | 399 | 0 | 0 | 0 | 50 | 1,753 | 2,993 | 9,983 | 15,828 | 52,884 | 158 |
| Iraq | 3,151 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,151 | 9 |
| Kuwait | 5,098 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,019 | 0 | 0 | 4,019 | 9,117 | 27 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 4 |
| Saudi Arabia | 79,513 | 403 | 0 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | 0 | 1,416 | 80,929 | 242 |
| United Arab Emirates | 22,092 | 0 | 780 | 0 | 0 | 221 | 0 | 0 | 1,857 | 0 | 541 | 3,399 | 25,491 | 76 |
| Subtotal Arab OPEC | 148,407 | 708 | 1,125 | 399 | 0 | 221 | 0 | 50 | 8,642 | 2,993 | 10,524 | 24,662 | 173,069 | 517 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 12,180 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,180 | 36 |
| Gabon | 12,971 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,971 | 39 |

| Source | Crude Oil 1 | LPG | Unfinished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kerosene | Distill. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Products 2 | Total Products | Total Petroleum | Total (Daily Average) |
|----------------------------------|----------------|--------------|-----------------|------------------------------|-------------------------|--------------|------------|-------------------|-----------------|------------------|------------------|----------------|-----------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Other OPEC | | | | | | | | | | | | | | |
| Indonesia | 25,496 | 1,356 | 800 | 0 | 0 | 0 | 0 | 0 | 3,000 | 758 | 303 | 6,217 | 31,713 | 95 |
| Iran | 1,764 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,764 | 5 |
| Nigeria | 38,639 | 0 | 1,379 | 0 | 0 | 0 | 0 | 3 | 490 | 0 | 248 | 2,120 | 40,759 | 122 |
| Venezuela | 58,049 | 0 | 8,084 | 829 | 2,290 | 0 | 0 | 0 | 2,753 | 68 | 437 | 14,462 | 72,510 | 216 |
| Subtotal Other OPEC | 149,098 | 1,356 | 10,263 | 829 | 2,290 | 0 | 0 | 3 | 6,244 | 826 | 989 | 22,799 | 171,897 | 513 |
| Other | | | | | | | | | | | | | | |
| Angola | 10,578 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,578 | 32 |
| Australia | 1,513 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 519 | 0 | 164 | 927 | 2,440 | 7 |
| Bahamas | 0 | 0 | 8,950 | 506 | 0 | 0 | 0 | 349 | 0 | 516 | 2,940 | 13,261 | 13,261 | 40 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 0 | 0 | 0 | 470 | 1,735 | 0 | 0 | 0 | 264 | 303 | 23 | 2,795 | 2,795 | 8 |
| Canada | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 316 | 106 | 422 | 424 | 1 |
| Congo | 4,385 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 4,385 | 13 |
| Egypt | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 674 | 2 |
| France | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 15 | 16 | 16 | (s) |
| Malaysia | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 125 | (s) |
| Mexico | 149,210 | 1,769 | 13,387 | 872 | 439 | 29 | 0 | 201 | 1,653 | 9 | 407 | 18,766 | 167,976 | 501 |
| Netherlands | 1 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 0 | 300 | 568 | 1,028 | 1,029 | 3 |
| Netherlands Antilles | 28 | (s) | 3,022 | 0 | 1,289 | 0 | 0 | 358 | 174 | 35 | 107 | 5,014 | 5,014 | 15 |
| Norway | 14,504 | 0 | 0 | 0 | 0 | 361 | 0 | 0 | 654 | 0 | 0 | 361 | 14,866 | 44 |
| Oman | 2,333 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,333 | 9 |
| People's Republic of China | 1,033 | 0 | 755 | 0 | 0 | 223 | 0 | 0 | 262 | 0 | 450 | 1,689 | 1,689 | 5 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,598 | 0 | 2,598 | 2,598 | 8 |
| Puerto Rico | 0 | 0 | 0 | 0 | 582 | 0 | 0 | 0 | 0 | 239 | 0 | 821 | 821 | 2 |
| Romania | 0 | 0 | 218 | 0 | 0 | 190 | 0 | 0 | 0 | 14 | 27 | 450 | 450 | 1 |
| Spain | 17,338 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 17,355 | 52 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tunisia | 0 | 0 | 0 | 0 | 127 | 171 | 0 | (s) | 0 | 156 | 682 | 1,727 | 62,927 | 188 |
| United Kingdom | 61,200 | 33 | 266 | 291 | 0 | 0 | 455 | 0 | 1,823 | 356 | 708 | 9,975 | 9,975 | 30 |
| Virgin Islands | 0 | 0 | 6,633 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 |
| Zaire | 4,493 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,493 | 0 |
| Other Western Hemisphere | 871 | 0 | 1,088 | 39 | 0 | 0 | 6 | 12 | 0 | 446 | 240 | 1,831 | 2,701 | 8 |
| Other Eastern Hemisphere | 29,168 | 0 | 6,558 | 18 | 0 | 693 | 0 | 56 | 2,823 | 1,547 | 223 | 11,918 | 41,086 | 123 |
| Subtotal Other | 297,565 | 1,830 | 41,245 | 3,160 | 4,173 | 1,668 | 461 | 976 | 8,172 | 6,835 | 6,709 | 75,228 | 372,793 | 1,113 |
| Total Imports | 595,071 | 3,893 | 52,633 | 4,388 | 6,462 | 1,888 | 461 | 1,029 | 23,058 | 10,654 | 18,222 | 122,689 | 717,760 | 2,143 |

PAD District IV

| | | | | | | | | | | | | | | |
|--------------------------------|---------------|--------------|----------|----------|------------|----------|----------|--------------|------------|----------|--------------|--------------|---------------|-----------|
| Other | | | | | | | | | | | | | | |
| Canada | 11,141 | 4,695 | 0 | 0 | 654 | 0 | 0 | 1,317 | 143 | 5 | 1,160 | 7,973 | 19,114 | 57 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 11,141 | 4,695 | 0 | 0 | 654 | 0 | 0 | 1,317 | 143 | 5 | 1,160 | 7,973 | 19,114 | 57 |
| Total Imports | 11,141 | 4,695 | 0 | 0 | 654 | 0 | 0 | 1,317 | 143 | 5 | 1,160 | 7,973 | 19,114 | 57 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - November 1984
(Thousand Barrels)
(continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|---------------|--------------|-------------------------|---|-------------------------------|--------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District V | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 934 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1,187 | 4 |
| Saudi Arabia | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 252 | 1 |
| United Arab Emirates | 0 | 0 | 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 269 | 1 |
| Subtotal Arab OPEC | 934 | 0 | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 774 | 1,707 | 5 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 360 | 1 |
| Indonesia | 51,688 | 0 | 1,808 | 0 | 1,354 | 200 | 0 | 368 | 1,557 | 467 | 588 | 6,342 | 58,030 | 173 |
| Venezuela | 624 | 0 | 0 | 0 | 246 | 403 | 0 | 0 | 0 | 0 | 67 | 716 | 1,340 | 4 |
| Subtotal Other OPEC | 52,672 | 0 | 1,808 | 0 | 1,600 | 603 | 0 | 368 | 1,557 | 467 | 656 | 7,058 | 59,730 | 178 |
| Other | | | | | | | | | | | | | | |
| Australia | 5,348 | 504 | 0 | 0 | 857 | 173 | 0 | 319 | 320 | 0 | 44 | 2,217 | 7,565 | 23 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 6,355 | 4,110 | 161 | 0 | 1,429 | 222 | (s) | 391 | 120 | 228 | 80 | 6,741 | 13,096 | 39 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 284 | 284 | 1 |
| Mexico | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 11 | 66 | 0 | 343 | 470 | 470 | 1 |
| Netherlands | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | (s) |
| Netherlands Antilles | 0 | 0 | 7 | 0 | 0 | 114 | 0 | 0 | 192 | 0 | 163 | 476 | 476 | 1 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 668 | 7,216 | 1,290 | 0 | 0 | 0 | 0 | 347 | 3 | 9,524 | 9,524 | 28 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 239 | 0 | 0 | 155 | 394 | 394 | 1 |
| Romania | 0 | 0 | 0 | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 111 | (s) |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | (s) |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 46 | (s) |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 318 | 0 | 0 | 0 | 318 | 318 | 1 |
| Other Eastern Hemisphere | 1,404 | 1 | 1,032 | 215 | 1,235 | 477 | 0 | 346 | 1,896 | 81 | 882 | 6,165 | 7,569 | 23 |
| Subtotal Other | 13,108 | 4,665 | 1,868 | 7,764 | 4,970 | 993 | (s) | 1,644 | 2,692 | 705 | 1,671 | 26,972 | 40,079 | 120 |
| Total Imports | 66,713 | 4,665 | 4,449 | 7,764 | 6,569 | 1,595 | (s) | 2,012 | 4,249 | 1,172 | 2,327 | 34,803 | 101,516 | 303 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

| Commodity | Petroleum Administration for Defense Districts | | | | | Total |
|---|--|--------------|--------------|----------|---------------|---------------|
| | I | II | III | IV | V | |
| Crude Oil (including lease condensate) ¹ | 0 | 441 | 0 | 0 | 5,620 | 6,061 |
| Natural Gas Liquids | 47 | 512 | 963 | (s) | 129 | 1,651 |
| Pentanes Plus | 0 | 77 | 0 | 0 | 0 | 77 |
| Liquefied Petroleum Gases | 47 | 435 | 963 | (s) | 129 | 1,574 |
| Ethane | (s) | 154 | 0 | 0 | 0 | 154 |
| Propane | 25 | 128 | 906 | (s) | 51 | 1,111 |
| Normal Butane | 22 | 77 | 57 | (s) | 77 | 233 |
| Isobutane | 0 | 77 | 0 | 0 | 0 | 77 |
| Finished Motor Gasoline | 22 | 0 | 270 | 0 | 38 | 329 |
| Naphtha-Type Jet Fuel | 1 | 0 | 0 | 0 | 0 | 1 |
| Kerosene-Type Jet Fuel | 0 | 0 | 221 | 0 | 108 | 329 |
| Kerosene | 5 | 0 | (s) | 0 | (s) | 5 |
| Distillate Fuel Oil | 2 | (s) | 160 | 0 | 552 | 715 |
| Residual Fuel Oil | (s) | 0 | 3,967 | 0 | 4,609 | 8,576 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 27 | 10 | 44 | 1 | 46 | 127 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | (s) | 27 | 685 | 0 | (s) | 712 |
| Special Naphthas | 3 | 10 | 34 | 0 | 1 | 48 |
| Lubricants | 87 | 16 | 185 | 1 | 64 | 353 |
| Waxes | 3 | 2 | 14 | 0 | 3 | 22 |
| Petroleum Coke | 757 | 307 | 2,579 | 0 | 3,003 | 6,646 |
| Asphalt | 22 | 1 | (s) | (s) | 2 | 26 |
| Miscellaneous Products | 13 | 2 | 8 | 0 | 2 | 25 |
| Total Product Exports | 990 | 885 | 9,130 | 2 | 8,558 | 19,565 |
| Total Exports | 990 | 1,326 | 9,130 | 2 | 14,178 | 25,626 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 21. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January - November 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | Total |
|---|--|---------------|---------------|-----------|----------------|----------------|
| | I | II | III | IV | V | |
| Crude Oil (including lease condensate) ¹ | 0 | 5,454 | (s) | 0 | 55,042 | 60,496 |
| Natural Gas Liquids | 430 | 5,446 | 8,097 | 7 | 1,819 | 15,799 |
| Pentanes Plus | 0 | 803 | 0 | 0 | 0 | 803 |
| Liquefied Petroleum Gases | 430 | 4,644 | 8,097 | 7 | 1,819 | 14,997 |
| Ethane | 1 | 1,605 | (s) | 0 | (s) | 1,606 |
| Propane | 206 | 1,372 | 6,944 | 7 | 730 | 9,258 |
| Normal Butane | 222 | 864 | 1,153 | (s) | 1,090 | 3,330 |
| Isobutane | 0 | 803 | 0 | 0 | 0 | 803 |
| Finished Motor Gasoline | 192 | 4 | 637 | 0 | 791 | 1,624 |
| Naphtha-Type Jet Fuel | 1 | 0 | 433 | 0 | 0 | 433 |
| Kerosene-Type Jet Fuel | 176 | 139 | 653 | 0 | 674 | 1,641 |
| Kerosene | 33 | (s) | 4 | 0 | 1 | 38 |
| Distillate Fuel Oil | 865 | 56 | 3,885 | (s) | 10,106 | 14,913 |
| Residual Fuel Oil | 1,065 | 0 | 23,476 | 0 | 35,902 | 60,443 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 560 | 110 | 1,093 | 10 | 246 | 2,019 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 4 | 377 | 4,191 | 0 | 651 | 5,222 |
| Special Naphthas | 61 | 103 | 307 | 3 | 255 | 729 |
| Lubricants | 1,159 | 277 | 2,962 | 14 | 498 | 4,910 |
| Waxes | 49 | 9 | 293 | (s) | 40 | 392 |
| Petroleum Coke | 2,820 | 2,753 | 31,969 | 8 | 26,778 | 64,327 |
| Asphalt | 71 | 64 | 28 | 5 | 14 | 183 |
| Miscellaneous Products | 164 | 20 | 118 | 1 | 45 | 348 |
| Total Product Exports | 7,649 | 9,359 | 78,147 | 48 | 77,821 | 173,024 |
| Total Exports | 7,649 | 14,813 | 78,147 | 48 | 132,863 | 233,520 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Sources: See Explanatory Notes on Data Collection and Estimation.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, November 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------|-------------|-----|-------------------------|----------|----------------|-------------------|------------------|------------|-------|----------------|---------|--------|-------|-----------------------|
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 0 | (s) | 110 | 113 | 4 |
| Australia | 0 | (s) | 0 | 0 | 0 | 0 | 10 | 6 | 0 | 259 | (s) | 20 | 297 | 10 |
| Bahamas | 0 | (s) | 1 | 0 | 0 | 588 | (s) | 2 | 0 | 0 | 0 | (s) | 592 | 20 |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 0 | 1 | (s) |
| Belgium & Luxembourg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | (s) | 424 | 0 | (s) | 438 | 15 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 41 | 0 | 2 | 44 | 1 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | 0 | (s) | (s) |
| Canada | 441 | 438 | 290 | 251 | 110 | 83 | 11 | 45 | 3 | 565 | 23 | 128 | 2,388 | 80 |
| Chile | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 2 | (s) | 0 | 0 | 1 | 3 | (s) |
| China (Taiwan) | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 8 | (s) | 2 | (s) | 1 | 12 | (s) |
| Colombia | 0 | 1 | 0 | 0 | 0 | 0 | 2 | (s) | (s) | (s) | 0 | 4 | 7 | (s) |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 6 | (s) | 0 | 0 | (s) | 6 | (s) |
| Denmark | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 299 | 0 | 0 | 299 | 10 |
| Dominican Republic | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 3 | (s) | 0 | 0 | 1 | 15 | 1 |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 2 | (s) |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) | 0 | 0 | (s) | (s) | 4 | (s) |
| El Salvador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 0 | (s) | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 275 | 0 | 1 | 1 | 0 | 0 | 137 | 413 | 14 |
| France | 0 | (s) | 35 | 52 | 85 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 171 | 6 |
| French Pacific Isl | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 2 | (s) |
| Greece | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 2 | (s) |
| Guatemala | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 40 | 1 |
| Guinea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Honduras | 0 | (s) | 0 | 0 | 0 | 634 | 0 | 1 | (s) | 0 | 0 | (s) | 2 | (s) |
| Hong Kong | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 47 | (s) | 0 | (s) | 22 | 637 | 21 |
| India | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 0 | 0 | 6 | 70 | 2 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | (s) |
| Iran | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 1,177 | 0 | (s) | 13 | (s) |
| Italy | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | (s) | 240 | 1,419 | 47 |
| Ivory Coast | 0 | 0 | 0 | 0 | 75 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 75 | 2 |
| Jamaica | 0 | 24 | 0 | 0 | 0 | 0 | (s) | 21 | (s) | 0 | (s) | (s) | 45 | 2 |
| Japan | 0 | 3 | 0 | 0 | 11 | 2,304 | 6 | 17 | 2 | 1,280 | (s) | 11 | 3,633 | 121 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Korea, Republic of | 0 | 0 | 1 | 0 | 37 | 613 | 0 | 7 | (s) | 56 | (s) | 4 | 717 | 24 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | (s) | 0 | 0 | (s) | 2 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | (s) | 1 | (s) |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Malaysia | 0 | 969 | 0 | 0 | (s) | 0 | 0 | 53 | 0 | 26 | 0 | 8 | 1,695 | 57 |
| Mexico | 0 | 1 | 3 | 26 | 0 | 601 | 1 | 10 | 9 | 1,393 | 0 | 142 | 1,808 | 60 |
| Netherlands | 0 | 0 | 0 | 0 | 30 | 258 | 3 | 10 | (s) | 0 | 0 | 0 | 1,109 | 37 |
| Netherlands Antilles | 0 | (s) | 0 | 0 | 0 | 1,078 | 0 | (s) | (s) | 112 | 0 | (s) | 113 | 4 |
| New Zealand | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) |
| Nicaragua | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 0 | 0 | 93 | 3 |
| Norway | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 1 | (s) | 0 | 0 | 0 | 136 | 5 |
| Pacific Trust Terr. | 0 | (s) | 0 | 0 | 136 | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 242 | 8 |
| Panama | 0 | 10 | 0 | 0 | 231 | 0 | (s) | 1 | (s) | 0 | (s) | (s) | 62 | 2 |
| Peru | 0 | 38 | 0 | 0 | 0 | 0 | (s) | 23 | (s) | 0 | 0 | (s) | 1 | (s) |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 0 | 0 | 0 | 4 | 529 | 18 |
| Puerto Rico | 508 | 1 | 0 | 0 | 0 | (s) | 1 | 13 | 1 | 0 | (s) | 0 | 83 | 3 |
| Rep. of South Africa | 0 | (s) | 0 | 0 | 0 | 0 | (s) | (s) | 1 | 81 | 0 | (s) | 0 | 0 |

See footnotes at end of table.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, November 1984
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------------|--------------|--------------|-------------------------|------------|----------------|-------------------|------------------|------------|-----------|----------------|-----------|------------|---------------|-----------------------|
| Saudi Arabia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 3 | (s) |
| Singapore | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 2 | (s) | 0 | 0 | 0 | 7 | (s) |
| Spain | 0 | 0 | 0 | 0 | 0 | 203 | 0 | (s) | (s) | 409 | 0 | 56 | 668 | 22 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 10 | 0 | (s) | 10 | (s) |
| Sweden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 2 | 0 | 1 | 3 | (s) |
| Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | (s) | 1 | (s) |
| Thailand | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 0 | 0 | 1 | 4 | (s) |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 6 | (s) |
| Turkey | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | (s) | 7 | (s) |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 58 | 0 | 2 | 63 | 2 |
| United Kingdom | 0 | 2 | 0 | 1 | 1 | 1,306 | (s) | 17 | (s) | 0 | 1 | 2 | 1,329 | 44 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 109 | 0 | (s) | 109 | 4 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Venezuela | 0 | 1 | 0 | 0 | 0 | 0 | 4 | (s) | (s) | 0 | 0 | 2 | 6 | (s) |
| Virgin Islands | 4,571 | 0 | 0 | 0 | 0 | 375 | 0 | 0 | 0 | 0 | 0 | 0 | 4,946 | 165 |
| West Germany | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 2 | (s) | 147 | 0 | 1 | 151 | 5 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 39 | 0 | 0 | 39 | 1 |
| Other | 541 | 17 | 0 | 0 | 0 | 259 | (s) | 11 | (s) | 66 | (s) | 32 | 926 | 31 |
| Total | 6,061 | 1,574 | 329 | 330 | 715 | 8,576 | 48 | 353 | 22 | 6,646 | 26 | 946 | 25,626 | 854 |

1 Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

2 Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - November 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other 2 | Total | Total (Daily Average) |
|----------------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|---------|--------|-----------------------|
| Argentina | 0 | 1 | 0 | 431 | (s) | 0 | 4 | 115 | 3 | 1 | (s) | 271 | 826 | 2 |
| Australia | 0 | 7 | 269 | 0 | 1 | 800 | 42 | 66 | 3 | 1,677 | 2 | 126 | 2,992 | 9 |
| Bahamas | 0 | 77 | 10 | (s) | 862 | 1,761 | 0 | 17 | (s) | 0 | 0 | 3 | 2,731 | 8 |
| Bahrain | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 326 | 1 | 1 | 330 | 1 |
| Belgium & Luxembourg | 0 | 10 | 0 | 0 | (s) | 0 | 6 | 96 | 1 | 6,935 | 1 | 5 | 7,054 | 21 |
| Brazil | 0 | 9 | 0 | 0 | 0 | 0 | 8 | 10 | (s) | 461 | 0 | 15 | 503 | 2 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 151 | 0 | (s) | 151 | (s) |
| Canada | 5,454 | 4,669 | 454 | 764 | 3,595 | 2,299 | 125 | 667 | 29 | 5,308 | 133 | 1,550 | 25,049 | 75 |
| Chile | 0 | 1 | 83 | 43 | 256 | 61 | 3 | 99 | (s) | 247 | 1 | 7 | 557 | 2 |
| China (Taiwan) | 0 | 2 | 0 | 0 | 920 | 4,140 | 1 | 110 | 2 | 0 | 1 | 12 | 5,433 | 16 |
| Colombia | 0 | 5 | 0 | 0 | 0 | 0 | 7 | 63 | 61 | 1 | 0 | 14 | 151 | (s) |
| Costa Rica | 0 | 49 | (s) | 0 | 0 | 0 | 17 | 47 | 1 | 22 | 10 | 9 | 153 | (s) |
| Denmark | 0 | 3 | 0 | 0 | (s) | (s) | 0 | 3 | 1 | 812 | 0 | 1 | 819 | 2 |
| Dominican Republic | 0 | 317 | 0 | 0 | 0 | 0 | (s) | 11 | 1 | 64 | (s) | 2 | 400 | 1 |
| Ecuador | 0 | 389 | 25 | 0 | 332 | (s) | 4 | 8 | 2 | 0 | 0 | 10 | 772 | 2 |
| Egypt | 0 | 1 | 0 | 0 | 0 | 0 | (s) | 27 | (s) | 0 | 0 | 2 | 31 | (s) |
| El Salvador | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 43 | (s) | 0 | 0 | 4 | 54 | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 1,384 | 0 | 4 | (s) | 3,920 | 0 | 2 | 6 | (s) |
| France | 0 | 39 | 35 | 100 | 89 | 350 | (s) | 12 | 15 | 0 | 0 | 1,262 | 6,633 | 20 |
| French Pacific Isl | 0 | (s) | 0 | 0 | 141 | 0 | 0 | (s) | 0 | 0 | (s) | 13 | 588 | 2 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | (s) | 0 | 0 | 2 | 141 | (s) |
| Greece | 0 | 6 | 0 | 0 | (s) | 0 | (s) | 34 | 3 | 230 | 0 | 5 | 626 | 2 |
| Guatemala | 0 | 580 | 0 | 0 | 0 | 0 | 4 | 7 | 0 | 0 | (s) | 0 | 460 | 1 |
| Guinea | 0 | (s) | 0 | 0 | 0 | 452 | (s) | 59 | (s) | (s) | 0 | 3 | 70 | (s) |
| Honduras | 0 | 3 | (s) | 0 | (s) | 0 | 5 | 15 | 2 | 0 | 1 | 8 | 2,573 | 8 |
| Hong Kong | 0 | 1 | 0 | 0 | (s) | 2,544 | 2 | 125 | 1 | 38 | (s) | 56 | 220 | 1 |
| India | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 30 | (s) | 357 | 1 | 16 | 406 | 1 |
| Indonesia | 0 | 1 | 0 | 0 | 1 | 0 | (s) | 1 | 0 | 0 | 0 | 0 | 0 | (s) |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | (s) | 0 | 9 | 33 | (s) |
| Israel | 0 | 20 | 0 | 0 | (s) | 0 | 2 | 1 | 5 | 7,822 | 1 | 1,346 | 12,956 | 39 |
| Italy | 0 | 159 | 0 | 0 | (s) | 3,610 | 6 | 7 | 0 | 0 | 1 | (s) | 556 | 2 |
| Ivory Coast | 0 | 243 | 0 | 0 | 249 | 280 | 0 | 27 | (s) | 0 | 0 | 9 | 928 | 3 |
| Jamaica | (s) | 32 | 25 | 0 | 2,967 | 12,324 | 319 | 241 | 26 | 14,045 | (s) | 459 | 30,413 | 91 |
| Japan | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 7 | 0 | (s) | 0 | 1 | 8 | (s) |
| Jordan | 0 | 6 | 1 | 0 | 705 | 3,712 | 5 | 48 | (s) | 857 | (s) | 401 | 5,738 | 17 |
| Korea, Republic of | 0 | 3 | (s) | 0 | 0 | 0 | (s) | 21 | (s) | (s) | 0 | 1 | 26 | (s) |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | (s) | 1 | 9 | (s) |
| Lebanon | 0 | 1 | 0 | 0 | 0 | 365 | 0 | 2 | (s) | 0 | (s) | (s) | 368 | 1 |
| Liberia | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 8 | (s) | 0 | 0 | 113 | 122 | (s) |
| Malaysia | 0 | (s) | 45 | 403 | (s) | 1,811 | 24 | 653 | 85 | 336 | 1 | 120 | 10,432 | 31 |
| Mexico | 0 | 6,954 | 0 | 0 | (s) | 1,175 | 58 | 69 | 4 | 9,821 | 1 | 762 | 12,036 | 36 |
| Netherlands | 0 | 146 | 0 | 0 | (s) | 5,981 | (s) | 40 | 0 | 0 | 0 | (s) | 7,501 | 22 |
| Netherlands Antilles | 0 | 4 | 87 | 128 | 1,261 | 0 | 3 | 11 | (s) | 500 | (s) | 9 | 1,268 | 4 |
| New Zealand | 0 | (s) | 443 | 0 | 301 | 0 | 0 | 26 | 0 | 0 | 0 | 3 | 45 | (s) |
| Nicaragua | 0 | 12 | 0 | 0 | 0 | 0 | 3 | 113 | (s) | 0 | (s) | 3 | 117 | (s) |
| Nigeria | 0 | (s) | 0 | 0 | (s) | (s) | 0 | 3 | (s) | 1,004 | (s) | 1 | 1,008 | 3 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | (s) | 137 | (s) |
| Pacific Trust Terr. | 0 | 1 | 113 | 0 | 136 | 0 | 7 | 58 | (s) | 28 | (s) | 4 | 3,142 | 9 |
| Panama | 0 | 147 | 0 | 0 | 1,547 | 1,236 | (s) | 143 | (s) | 1 | (s) | 3 | 829 | 2 |
| Peru | 0 | 107 | 0 | 0 | 576 | 0 | 0 | 12 | (s) | 0 | (s) | 115 | 134 | (s) |
| Philippines | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 175 | 17 | (s) | 1 | 194 | 8,169 | 24 |
| Puerto Rico | 7,452 | 112 | 2 | (s) | (s) | 202 | 13 | 108 | 81 | 362 | 1 | 433 | 989 | 3 |
| Rep. of South Africa | 0 | 3 | 0 | 0 | (s) | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

See footnotes at end of table.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - November 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil ¹ | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|------------------------|---------------|-------------------------|--------------|----------------|-------------------|------------------|--------------|------------|----------------|------------|--------------------|----------------|-----------------------|
| Saudi Arabia | 0 | 78 | 0 | 0 | 0 | (s) | 1 | 148 | (s) | 0 | 0 | 27 | 254 | 1 |
| Singapore | 0 | 12 | 0 | 0 | 100 | 2,708 | 26 | 72 | 1 | 23 | (s) | 12 | 2,953 | 9 |
| Spain | 0 | 4 | 0 | 0 | 523 | 2,771 | (s) | 380 | 1 | 5,027 | (s) | 311 | 9,018 | 27 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 68 | 0 | 1 | 80 | (s) |
| Sweden | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 15 | 1 | 333 | (s) | 6 | 358 | 1 |
| Switzerland | 0 | 3 | 0 | 0 | 0 | 0 | (s) | 6 | 1 | 0 | (s) | 5 | 15 | (s) |
| Thailand | 0 | 2 | 30 | 0 | 0 | 0 | 2 | 45 | 1 | (s) | (s) | 124 | 203 | 1 |
| Trinidad and Tobago | 0 | 43 | 0 | 206 | (s) | (s) | 5 | 22 | (s) | 0 | (s) | 7 | 284 | 1 |
| Turkey | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 16 | (s) | 302 | 0 | 174 | 493 | 1 |
| United Arab Emirates | 0 | 1 | 0 | 0 | 0 | 0 | (s) | 83 | 0 | 315 | (s) | 23 | 423 | 1 |
| United Kingdom | 0 | 48 | (s) | 1 | 10 | 3,251 | 2 | 64 | 4 | 126 | 15 | 28 | 3,548 | 11 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 268 | 0 | 346 | 0 | (s) | 614 | 2 |
| Uruguay | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 7 | (s) | 0 | (s) | 2 | 9 | (s) |
| Venezuela | (s) | 526 | (s) | 0 | 0 | (s) | 13 | 19 | 4 | 688 | 1 | 22 | 1,254 | 4 |
| Virgin Islands | 37,574 | 14 | 0 | 0 | 0 | 4,997 | 0 | (s) | 0 | 0 | 0 | (s) | 42,586 | 127 |
| West Germany | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 77 | 26 | 1,063 | (s) | 99 | 1,266 | 4 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 478 | 0 | (s) | 479 | 1 |
| Other | 10,016 | 135 | (s) | 0 | 335 | 1,709 | 0 | 89 | 4 | 252 | 5 | 197 | 12,740 | 143 |
| Total | 60,496 | 14,997 | 1,624 | 2,075 | 14,913 | 60,443 | 729 | 4,910 | 392 | 64,327 | 183 | 8,430 | 233,520 | 697 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with

Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories

(especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical

Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | PAD District IV | | United States | |
|---|----------------|----------------|---------|-----------------|-----------------|--------------------|-------------------|---------|--------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | West Coast |
| | | | | | | | | | | | | | | | | | |
| Crude Oil (incl. lease condensate) | | | | | | | | | | | | | | | | | |
| Refinery | -- | -- | 12,710 | -- | -- | -- | -- | 13,180 | -- | -- | -- | -- | -- | 48,126 | 2,134 | 22,213 | 98,363 |
| Tank Farms and Pipelines | -- | -- | 1,439 | -- | -- | -- | -- | 62,175 | -- | -- | -- | -- | -- | 94,150 | 10,481 | 31,375 | 199,620 |
| Leases | -- | -- | 53 | -- | -- | -- | -- | 1,543 | -- | -- | -- | -- | -- | 16,900 | 1,275 | 1,156 | 20,927 |
| Strategic Petroleum Reserve ¹ | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 443,046 | 0 | 0 | 443,046 |
| Alaskan In-Transit | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 24,172 | 24,172 |
| Total | -- | -- | 14,202 | -- | -- | -- | -- | 76,898 | -- | -- | -- | -- | -- | 602,222 | 13,890 | 78,916 | 786,128 |
| Total Stocks, All Oils (excl. Crude Oil) | | | | | | | | | | | | | | | | | |
| Refinery | 38,678 | 2,816 | 41,494 | 816 | 41,519 | 6,474 | 15,070 | 63,879 | 9,378 | 72,438 | 46,181 | 5,024 | 985 | 134,006 | 11,727 | 61,827 | 312,933 |
| Bulk Terminal | -- | -- | 133,747 | -- | -- | -- | -- | 81,090 | -- | -- | -- | -- | -- | 91,281 | 3,185 | 24,423 | 333,726 |
| Pipeline | -- | -- | 29,114 | -- | -- | -- | -- | 35,282 | -- | -- | -- | -- | -- | 43,584 | 2,579 | 4,504 | 115,063 |
| Natural Gas Processing Plant | 207 | 38 | 245 | 0 | 469 | 56 | 1,245 | 1,770 | 1,489 | 3,327 | 434 | 60 | 240 | 5,550 | 183 | 118 | 7,866 |
| Total | -- | -- | 204,600 | -- | -- | -- | -- | 182,021 | -- | -- | -- | -- | -- | 274,421 | 17,674 | 90,872 | 769,588 |
| Pentanes Plus | | | | | | | | | | | | | | | | | |
| Refinery | 13 | 0 | 13 | 0 | 75 | 96 | 136 | 307 | 31 | 185 | 56 | 16 | 9 | 297 | 16 | 8 | 641 |
| Bulk Terminal | -- | -- | 18 | -- | -- | -- | -- | 1,680 | -- | -- | -- | -- | -- | 2,556 | 0 | 7 | 4,261 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 366 | -- | -- | -- | -- | -- | 1,211 | 77 | 5 | 1,659 |
| Natural Gas Processing Plant | 2 | 8 | 10 | 0 | 42 | 20 | 222 | 284 | 385 | 357 | 141 | 26 | 33 | 942 | 76 | 22 | 1,334 |
| Total | -- | -- | 41 | -- | -- | -- | -- | 2,637 | -- | -- | -- | -- | -- | 5,006 | 169 | 42 | 7,895 |
| Liquefied Petroleum Gases | | | | | | | | | | | | | | | | | |
| Refinery | 728 | 26 | 754 | 222 | 2,068 | 215 | 689 | 3,194 | 220 | 825 | 1,753 | 41 | 17 | 2,856 | 305 | 645 | 7,754 |
| Bulk Terminal | -- | -- | 1,462 | -- | -- | -- | -- | 18,427 | -- | -- | -- | -- | -- | 59,532 | 111 | 1,380 | 80,912 |
| Pipeline | -- | -- | 1,611 | -- | -- | -- | -- | 5,559 | -- | -- | -- | -- | -- | 5,744 | 432 | 0 | 13,346 |
| Natural Gas Processing Plant | 205 | 30 | 235 | 0 | 424 | 36 | 1,023 | 1,483 | 913 | 2,968 | 293 | 33 | 207 | 4,414 | 105 | 96 | 6,333 |
| Total | -- | -- | 4,062 | -- | -- | -- | -- | 28,663 | -- | -- | -- | -- | -- | 72,546 | 953 | 2,121 | 108,345 |
| Ethane | | | | | | | | | | | | | | | | | |
| Refinery | 9 | 0 | 9 | 0 | 6 | 9 | 0 | 15 | 0 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 31 |
| Bulk Terminal | -- | -- | 0 | -- | -- | -- | -- | 2,682 | -- | -- | -- | -- | -- | 15,174 | 0 | 0 | 17,856 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1,482 | -- | -- | -- | -- | -- | 2,011 | 129 | 0 | 3,622 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 25 | 0 | 198 | 223 | 84 | 925 | 0 | 0 | 35 | 1,044 | 3 | 0 | 1,270 |
| Total | -- | -- | 9 | -- | -- | -- | -- | 4,402 | -- | -- | -- | -- | -- | 18,236 | 132 | 0 | 22,779 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | | PAD District IV | | United States |
|---|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|--------|-----------------|--------------------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mts. | Dist. V West Coast | |
| | | | | | | | | | | | | | | | | | |
| Propane for Petrochemical Feedstock Use | | | | | | | | | | | | | | | | | |
| Refinery | 45 | 0 | 45 | 0 | 116 | 0 | 2 | 118 | 2 | 13 | 156 | 0 | 0 | 171 | 0 | 0 | 334 |
| Total | -- | -- | 45 | -- | -- | -- | -- | 118 | -- | -- | -- | -- | -- | 171 | 0 | 0 | 334 |
| Propane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 613 | 3 | 616 | 1 | 1,157 | 20 | 253 | 1,431 | 90 | 60 | 1,178 | 5 | 1 | 1,334 | 157 | 224 | 3,762 |
| Bulk Terminal | -- | -- | 1,115 | -- | -- | -- | -- | 12,567 | -- | -- | -- | -- | -- | 32,151 | 110 | 485 | 46,428 |
| Pipeline | -- | -- | 1,486 | -- | -- | -- | -- | 2,913 | -- | -- | -- | -- | -- | 2,491 | 180 | 0 | 7,070 |
| Natural Gas Processing Plant | 168 | 30 | 198 | 0 | 287 | 17 | 614 | 918 | 455 | 1,110 | 157 | 15 | 118 | 1,855 | 67 | 79 | 3,117 |
| Total | -- | -- | 3,415 | -- | -- | -- | -- | 17,829 | -- | -- | -- | -- | -- | 37,831 | 514 | 788 | 60,377 |
| Normal Butane For Petro. Feed Use | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 5 | 0 | 0 | 0 | 5 | 5 | 2 | 32 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 20 | -- | -- | -- | -- | -- | 5 | 5 | 2 | 32 |
| Normal Butane For Other Uses | | | | | | | | | | | | | | | | | |
| Refinery | 59 | 23 | 82 | 170 | 583 | 111 | 304 | 1,168 | 99 | 480 | 174 | 22 | 9 | 784 | 101 | 387 | 2,522 |
| Bulk Terminal | -- | -- | 328 | -- | -- | -- | -- | 1,868 | -- | -- | -- | -- | -- | 7,069 | 1 | 719 | 9,985 |
| Pipeline | -- | -- | 125 | -- | -- | -- | -- | 892 | -- | -- | -- | -- | -- | 901 | 80 | 0 | 1,998 |
| Natural Gas Processing Plant | 35 | 0 | 35 | 0 | 89 | 14 | 170 | 273 | 299 | 568 | 86 | 11 | 46 | 1,010 | 30 | 11 | 1,359 |
| Total | -- | -- | 570 | -- | -- | -- | -- | 4,201 | -- | -- | -- | -- | -- | 9,764 | 212 | 1,117 | 15,864 |
| Isobutane | | | | | | | | | | | | | | | | | |
| Refinery | 2 | 0 | 2 | 51 | 206 | 55 | 130 | 442 | 29 | 260 | 245 | 14 | 7 | 555 | 42 | 32 | 1,073 |
| Bulk Terminal | -- | -- | 19 | -- | -- | -- | -- | 1,310 | -- | -- | -- | -- | -- | 5,138 | 0 | 176 | 6,643 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 272 | -- | -- | -- | -- | -- | 341 | 43 | 0 | 656 |
| Natural Gas Processing Plant | 2 | 0 | 2 | 0 | 23 | 5 | 41 | 69 | 75 | 365 | 50 | 7 | 8 | 505 | 5 | 6 | 587 |
| Total | -- | -- | 23 | -- | -- | -- | -- | 2,093 | -- | -- | -- | -- | -- | 6,539 | 90 | 214 | 8,959 |
| Other Hydrocarbons and Alcohol | | | | | | | | | | | | | | | | | |
| Refinery | 86 | 0 | 86 | 0 | 124 | 0 | 1 | 125 | 1 | 88 | 9 | 0 | 0 | 98 | 0 | 5 | 314 |
| Total | -- | -- | 86 | -- | -- | -- | -- | 125 | -- | -- | -- | -- | -- | 98 | 0 | 5 | 314 |
| Unfinished Oils | | | | | | | | | | | | | | | | | |
| Refinery | 3,915 | 136 | 4,051 | 28 | 2,921 | 125 | 1,102 | 4,176 | 664 | 6,942 | 4,881 | 181 | 42 | 12,710 | 462 | 4,924 | 26,323 |
| Naphtha and Lighter | 1,986 | 10 | 1,996 | 0 | 2,423 | 86 | 403 | 2,912 | 704 | 6,162 | 2,173 | 42 | 6 | 9,087 | 463 | 3,390 | 17,848 |
| Kerosene and Lighter Gas Oils | 5,330 | 352 | 5,682 | 83 | 5,885 | 152 | 1,623 | 7,743 | 686 | 8,961 | 7,587 | 220 | 165 | 17,619 | 1,214 | 10,722 | 42,980 |
| Heavy Gas Oils | 1,151 | 249 | 1,400 | 1 | 2,694 | 5 | 1,079 | 3,779 | 426 | 3,792 | 3,426 | 65 | 0 | 7,709 | 638 | 4,950 | 18,476 |
| Residuum | 12,382 | 747 | 13,129 | 112 | 13,923 | 368 | 4,207 | 18,610 | 2,480 | 25,857 | 18,067 | 508 | 213 | 47,125 | 2,777 | 23,986 | 105,627 |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---------------------------------------|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|-----------------|--------|---------------|-----------|-------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | PAD Dist. V |
| | | | | | | | | | | | | | | | | | |
| Motor Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 4,801 | 68 | 4,869 | 40 | 4,794 | 729 | 1,722 | 7,285 | 1,454 | 8,969 | 6,866 | 136 | 151 | 17,576 | 1,768 | 8,750 | 40,248 |
| Bulk Terminal | -- | -- | 12 | -- | -- | -- | -- | 161 | -- | -- | -- | -- | -- | 956 | 0 | 186 | 1,315 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 25 | -- | -- | -- | -- | -- | 0 | 0 | 0 | 25 |
| Total | -- | -- | 4,881 | -- | -- | -- | -- | 7,471 | -- | -- | -- | -- | -- | 18,532 | 1,768 | 8,936 | 41,588 |
| Aviation Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 53 | 0 | 52 | 105 | 0 | 30 | 119 | 0 | 0 | 149 | 0 | 20 | 274 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 105 | -- | -- | -- | -- | -- | 149 | 0 | 20 | 274 |
| Total Finished Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 4,761 | 335 | 5,096 | 96 | 6,468 | 1,441 | 2,989 | 10,994 | 2,187 | 9,438 | 4,791 | 710 | 172 | 17,298 | 2,144 | 7,879 | 43,411 |
| Bulk Terminal | -- | -- | 38,589 | -- | -- | -- | -- | 31,336 | -- | -- | -- | -- | -- | 14,379 | 1,793 | 11,643 | 97,740 |
| Pipeline | -- | -- | 14,900 | -- | -- | -- | -- | 17,743 | -- | -- | -- | -- | -- | 21,133 | 1,245 | 1,056 | 57,264 |
| Total | -- | -- | 58,585 | -- | -- | -- | -- | 60,073 | -- | -- | -- | -- | -- | 52,810 | 5,182 | 21,765 | 198,415 |
| Finished Leaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 1,678 | 187 | 1,865 | 62 | 2,866 | 818 | 1,746 | 5,492 | 1,089 | 3,889 | 1,605 | 346 | 77 | 7,006 | 1,368 | 3,232 | 18,963 |
| Bulk Terminal | -- | -- | 17,044 | -- | -- | -- | -- | 15,808 | -- | -- | -- | -- | -- | 6,101 | 1,080 | 5,779 | 45,812 |
| Pipeline | -- | -- | 5,431 | -- | -- | -- | -- | 8,502 | -- | -- | -- | -- | -- | 8,044 | 605 | 1,056 | 23,638 |
| Total | -- | -- | 24,340 | -- | -- | -- | -- | 29,802 | -- | -- | -- | -- | -- | 21,151 | 3,053 | 10,067 | 88,413 |
| Finished Unleaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 3,083 | 148 | 3,231 | 34 | 3,602 | 623 | 1,243 | 5,502 | 1,098 | 5,549 | 3,186 | 364 | 95 | 10,292 | 776 | 4,647 | 24,448 |
| Bulk Terminal | -- | -- | 21,545 | -- | -- | -- | -- | 15,528 | -- | -- | -- | -- | -- | 8,278 | 713 | 5,864 | 51,928 |
| Pipeline | -- | -- | 9,469 | -- | -- | -- | -- | 9,241 | -- | -- | -- | -- | -- | 13,089 | 640 | 1,187 | 33,626 |
| Total | -- | -- | 34,245 | -- | -- | -- | -- | 30,271 | -- | -- | -- | -- | -- | 31,659 | 2,129 | 11,698 | 110,002 |
| Finished Aviation Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 28 | 0 | 28 | 0 | 105 | 0 | 15 | 120 | 86 | 372 | 203 | 0 | 0 | 661 | 59 | 221 | 1,089 |
| Bulk Terminal | -- | -- | 446 | -- | -- | -- | -- | 440 | -- | -- | -- | -- | -- | 90 | 17 | 421 | 1,414 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 14 | -- | -- | -- | -- | -- | 5 | 0 | 22 | 41 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 68 | 0 | 0 | 68 |
| Total | -- | -- | 474 | -- | -- | -- | -- | 574 | -- | -- | -- | -- | -- | 824 | 76 | 664 | 2,612 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | | PAD District IV | | United States |
|--|----------------|----------------|--------|-----------------|-----------------|--------------------|------------------|--------|--------------|------------------|----------------|---------------|------------|--------|-----------------|---------|---------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mnt. | Dist. V | |
| | | | | | | | | | | | | | | | | | |
| Naphtha-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 275 | 21 | 296 | 0 | 566 | 100 | 106 | 772 | 365 | 827 | 322 | 170 | 95 | 1,779 | 211 | 756 | 3,814 |
| Bulk Terminal | -- | -- | 501 | -- | -- | -- | -- | 510 | -- | -- | -- | -- | -- | 77 | 8 | 414 | 1,510 |
| Pipeline | -- | -- | 189 | -- | -- | -- | -- | 189 | -- | -- | -- | -- | -- | 521 | 81 | 304 | 1,195 |
| Total | -- | -- | 897 | -- | -- | -- | -- | 1,471 | -- | -- | -- | -- | -- | 2,377 | 300 | 1,474 | 6,519 |
| Kerosene-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 1,222 | 0 | 1,222 | 48 | 1,398 | 85 | 464 | 1,995 | 341 | 3,130 | 2,788 | 8 | 55 | 6,322 | 354 | 3,360 | 13,253 |
| Bulk Terminal | -- | -- | 5,603 | -- | -- | -- | -- | 4,967 | -- | -- | -- | -- | -- | 1,804 | 213 | 2,144 | 14,731 |
| Pipeline | -- | -- | 2,975 | -- | -- | -- | -- | 2,416 | -- | -- | -- | -- | -- | 4,281 | 137 | 622 | 10,431 |
| Total | -- | -- | 9,800 | -- | -- | -- | -- | 9,378 | -- | -- | -- | -- | -- | 12,407 | 704 | 6,126 | 38,415 |
| Kerosene | | | | | | | | | | | | | | | | | |
| Refinery | 466 | 58 | 524 | 0 | 523 | 105 | 344 | 972 | 86 | 629 | 446 | 61 | 0 | 1,222 | 0 | 162 | 2,880 |
| Bulk Terminal | -- | -- | 4,357 | -- | -- | -- | -- | 1,422 | -- | -- | -- | -- | -- | 524 | 33 | 39 | 6,375 |
| Pipeline | -- | -- | 397 | -- | -- | -- | -- | 405 | -- | -- | -- | -- | -- | 732 | 0 | 0 | 1,534 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Total | -- | -- | 5,278 | -- | -- | -- | -- | 2,799 | -- | -- | -- | -- | -- | 2,480 | 33 | 201 | 10,791 |
| Distillate Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 8,484 | 461 | 8,945 | 70 | 6,240 | 1,803 | 2,756 | 10,869 | 901 | 9,898 | 4,152 | 1,377 | 61 | 16,389 | 2,090 | 5,208 | 43,501 |
| Bulk Terminal | -- | -- | 56,842 | -- | -- | -- | -- | 18,183 | -- | -- | -- | -- | -- | 6,974 | 857 | 5,542 | 88,398 |
| Pipeline | -- | -- | 9,114 | -- | -- | -- | -- | 8,460 | -- | -- | -- | -- | -- | 9,683 | 517 | 1,105 | 28,879 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Total | -- | -- | 74,901 | -- | -- | -- | -- | 37,512 | -- | -- | -- | -- | -- | 33,048 | 3,464 | 11,855 | 160,780 |
| Residual Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 1,859 | 100 | 1,959 | 53 | 1,805 | 212 | 184 | 2,254 | 399 | 4,069 | 2,333 | 145 | 3 | 6,949 | 619 | 6,560 | 18,341 |
| Bulk Terminal | -- | -- | 22,271 | -- | -- | -- | -- | 1,438 | -- | -- | -- | -- | -- | 3,407 | 0 | 1,631 | 28,747 |
| Pipeline | -- | -- | 5 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 123 | 128 |
| Total | -- | -- | 24,235 | -- | -- | -- | -- | 3,692 | -- | -- | -- | -- | -- | 10,356 | 619 | 8,314 | 47,216 |
| Naptha < 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 298 | 0 | 298 | 0 | 188 | 0 | 53 | 241 | 67 | 604 | 326 | 20 | 0 | 1,017 | 0 | 97 | 1,653 |
| Total | 298 | 0 | 298 | 0 | 188 | 0 | 53 | 241 | 67 | 604 | 326 | 20 | 0 | 1,017 | 0 | 97 | 1,653 |
| Other Oils > 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 2 | 0 | 2 | 0 | 25 | 0 | 0 | 25 | 179 | 1,170 | 200 | 0 | 0 | 1,549 | 8 | 154 | 1,738 |
| Total | 2 | 0 | 2 | 0 | 25 | 0 | 0 | 25 | 179 | 1,170 | 200 | 0 | 0 | 1,549 | 8 | 154 | 1,738 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, November 30, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|-------------------------------------|----------------|----------------|----------------|-----------------|-----------------|---------------------|-------------------|----------------|------------------|------------------|----------------|---------------|------------|-----------------|---------------|----------------|------------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | PAD Dist. V West Coast |
| | | | | | | | | | | | | | | | | | |
| Special Naphthas | | | | | | | | | | | | | | | | | |
| Refinery | 26 | 38 | 64 | 0 | 187 | 0 | 115 | 302 | 35 | 998 | 105 | 116 | 0 | 1,254 | 10 | 299 | 1,929 |
| Bulk Terminal | -- | -- | 619 | -- | -- | -- | -- | 124 | -- | -- | -- | -- | -- | 33 | 0 | 30 | 806 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 112 | 0 | 0 | 0 | 0 | 112 | 0 | 0 | 112 |
| Total | -- | -- | 683 | -- | -- | -- | -- | 426 | -- | -- | -- | -- | -- | 1,399 | 10 | 329 | 2,847 |
| Lubricants | | | | | | | | | | | | | | | | | |
| Refinery | 1,134 | 801 | 1,935 | 0 | 883 | 0 | 524 | 1,407 | 39 | 3,695 | 1,485 | 687 | 0 | 5,906 | 62 | 502 | 9,812 |
| Bulk Terminal | -- | -- | 1,087 | -- | -- | -- | -- | 745 | -- | -- | -- | -- | -- | 282 | 3 | 611 | 2,728 |
| Total | -- | -- | 3,022 | -- | -- | -- | -- | 2,152 | -- | -- | -- | -- | -- | 6,188 | 65 | 1,113 | 12,540 |
| Waxes | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 64 | 64 | 0 | 32 | 0 | 40 | 72 | 15 | 242 | 139 | 55 | 0 | 451 | 13 | 36 | 636 |
| Total | -- | -- | 64 | -- | -- | -- | -- | 72 | -- | -- | -- | -- | -- | 451 | 13 | 36 | 636 |
| Petroleum Coke | | | | | | | | | | | | | | | | | |
| Refinery | 835 | 0 | 835 | 0 | 376 | 333 | 73 | 782 | 1 | 317 | 1,166 | 201 | 0 | 1,685 | 190 | 1,509 | 5,001 |
| Total | 835 | 0 | 835 | 0 | 376 | 333 | 73 | 782 | 1 | 317 | 1,166 | 201 | 0 | 1,685 | 190 | 1,509 | 5,001 |
| Asphalt and Road Oil | | | | | | | | | | | | | | | | | |
| Refinery | 1,139 | 77 | 1,216 | 174 | 1,569 | 976 | 596 | 3,315 | 436 | 668 | 699 | 680 | 209 | 2,692 | 1,088 | 1,473 | 9,784 |
| Bulk Terminal | -- | -- | 1,808 | -- | -- | -- | -- | 1,614 | -- | -- | -- | -- | -- | 474 | 148 | 246 | 4,290 |
| Total | -- | -- | 3,024 | -- | -- | -- | -- | 4,929 | -- | -- | -- | -- | -- | 3,166 | 1,236 | 1,719 | 14,074 |
| Miscellaneous Products | | | | | | | | | | | | | | | | | |
| Refinery | 139 | 20 | 159 | 1 | 117 | 11 | 4 | 133 | 55 | 427 | 156 | 93 | 0 | 731 | 13 | 197 | 1,233 |
| Bulk Terminal | -- | -- | 132 | -- | -- | -- | -- | 43 | -- | -- | -- | -- | -- | 193 | 2 | 129 | 499 |
| Pipeline | -- | -- | 12 | -- | -- | -- | -- | 105 | -- | -- | -- | -- | -- | 274 | 90 | 80 | 561 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 9 | 0 | 0 | 1 | 0 | 10 | 2 | 0 | 15 |
| Total | -- | -- | 303 | -- | -- | -- | -- | 284 | -- | -- | -- | -- | -- | 1,208 | 107 | 406 | 2,308 |
| Total Stocks, All Oils | -- | -- | 218,802 | -- | -- | -- | -- | 258,919 | -- | -- | -- | -- | -- | 876,643 | 31,564 | 169,788 | 1,555,716 |

1 Includes 33,879 thousand barrels of domestic crude oil.

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable.

Table 26. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge between PAD Districts, November 1984
(Thousand Barrels)

| Commodity | From I to | | | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | | |
|---------------------------------------|-----------|-----|---|-------|--------|------------|---|--------|--------|-----|-------------|----|----|-------|-------|------------|-------|-------|----|-----|-----------|---|----|-----|----|
| | II | III | V | I | III | IV | V | I | II | IV | I | II | IV | V | II | III | V | I | II | III | IV | I | II | III | IV |
| Crude Oil (Tanker and Barge only) | 0 | 37 | 0 | 112 | 0 | 0 | 0 | 0 | 212 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Petroleum Products | 8,182 | 170 | 0 | 2,843 | 10,481 | 2,322 | 0 | 81,525 | 36,699 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pentanes Plus | 0 | 0 | 0 | 0 | 850 | 0 | 0 | 0 | 1,607 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 943 | 7,042 | 113 | 0 | 2,025 | 10,182 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 175 | 682 | 0 | 0 | 0 | 102 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 149 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 5,414 | 0 | 0 | 1,315 | 1,818 | 1,303 | 0 | 46,220 | 15,307 | 0 | 0 | 0 | 0 | 1,347 | 451 | 0 | 1,002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 3,087 | 0 | 0 | 423 | 912 | 648 | 0 | 15,845 | 7,796 | 0 | 0 | 0 | 0 | 549 | 287 | 0 | 654 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 2,327 | 0 | 0 | 892 | 906 | 655 | 0 | 30,375 | 7,511 | 0 | 0 | 0 | 0 | 798 | 164 | 0 | 348 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 14 | 0 | 0 | 0 | 0 | 13 | 0 | 218 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 121 | 79 | 0 | 0 | 80 | 0 | 0 | 488 | 27 | 0 | 0 | 0 | 0 | 252 | 112 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 284 | 0 | 0 | 158 | 64 | 456 | 0 | 9,525 | 3,609 | 0 | 0 | 0 | 0 | 121 | 4 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 30 | 0 | 0 | 2 | 0 | 0 | 0 | 528 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 2,264 | 0 | 0 | 155 | 531 | 437 | 0 | 20,256 | 4,259 | 0 | 0 | 0 | 0 | 389 | 347 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 46 | 53 | 0 | 0 | 697 | 206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Feedstock | 0 | 12 | 0 | 19 | 23 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 303 | 121 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lubricants | 0 | 70 | 0 | 45 | 20 | 0 | 0 | 549 | 338 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 0 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 0 | 0 | 160 | 0 | 0 | 0 | 92 | 213 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 55 | 9 | 0 | 0 | 0 | 0 | 0 | 287 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total All Products | 8,182 | 207 | 0 | 2,955 | 10,481 | 2,322 | 0 | 81,737 | 36,699 | 0 | 0 | 0 | 0 | 2,291 | 1,763 | 765 | 1,200 | 3,741 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 27. Movements of Petroleum Products by Pipeline between PAD Districts, November 1984
(Thousand Barrels)

| Commodity | From I to | | | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | | |
|---------------------------------------|-----------|-----|---|-------|--------|------------|---|--------|--------|--------|-------------|-------|----|-------|-------|------------|-------|-------|----|-----|-----------|---|----|-----|----|
| | II | III | V | I | III | IV | V | I | II | IV | I | II | IV | V | II | III | V | I | II | III | IV | I | II | III | IV |
| Pentanes Plus | 0 | 0 | 0 | 0 | 0 | 850 | 0 | 0 | 0 | 0 | 0 | 1,607 | 0 | 0 | 0 | 118 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 943 | 7,042 | 0 | 0 | 113 | 1,786 | 10,182 | 0 | 0 | 0 | 0 | 0 | 731 | 655 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 3,883 | 0 | 0 | 1,085 | 1,818 | 1,303 | 0 | 35,261 | 14,399 | 0 | 0 | 0 | 0 | 710 | 451 | 0 | 1,002 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 2,217 | 0 | 0 | 338 | 912 | 648 | 0 | 12,365 | 7,429 | 0 | 0 | 0 | 0 | 340 | 287 | 0 | 654 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 1,666 | 0 | 0 | 747 | 906 | 655 | 0 | 22,896 | 6,970 | 0 | 0 | 0 | 0 | 370 | 164 | 0 | 348 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 14 | 0 | 0 | 0 | 0 | 13 | 0 | 49 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 80 | 0 | 0 | 372 | 27 | 0 | 0 | 0 | 0 | 252 | 112 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 138 | 0 | 0 | 151 | 64 | 456 | 0 | 7,155 | 3,225 | 0 | 0 | 0 | 0 | 121 | 4 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kerosene | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 335 | 74 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 1,534 | 0 | 0 | 111 | 507 | 437 | 0 | 16,693 | 3,572 | 0 | 0 | 0 | 0 | 389 | 347 | 0 | 94 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 5,586 | 0 | 0 | 2,290 | 10,361 | 2,322 | 0 | 61,651 | 33,099 | 0 | 0 | 0 | 0 | 1,472 | 1,763 | 765 | 1,200 | 3,741 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Petroleum Supply Monthly/Energy Information Administration

Source: See Explanatory Notes on Data Collection and Estimation.

Table 29. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker and Barge between PAD Districts, November 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | PAD District III | | | PAD District IV | | | PAD District V | | |
|--|----------------------|-----------------------|---------------------|-----------------------|------------------------|----------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|----------------------|----------------------|-----------------------|---------------------|
| | Receipts into PADD I | Shipments from PADD I | Net Receipts PADD I | Receipts into PADD II | Shipments from PADD II | Net Receipts PADD II | Receipts into PADD III | Shipments from PADD III | Net Receipts PADD III | Receipts into PADD IV | Shipments from PADD IV | Net Receipts PADD IV | Receipts into PADD V | Shipments from PADD V | Net Receipts PADD V |
| Crude Oil (Tanker and Barge only) | 4,065 | 37 | 4,028 | 0 | 112 | -112 | 14,595 | 212 | 14,383 | 0 | 0 | 0 | 0 | 18,299 | -18,299 |
| Petroleum Products | 84,368 | 8,352 | 76,016 | 45,644 | 15,646 | 30,998 | 11,459 | 120,515 | -109,056 | 2,322 | 3,728 | -1,406 | 3,491 | 43 | 3,448 |
| Pentanes Plus | 0 | 0 | 0 | 1,725 | 850 | 875 | 960 | 1,607 | -647 | 0 | 228 | -228 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 2,968 | 0 | 2,968 | 10,913 | 8,098 | 2,815 | 7,697 | 12,207 | -4,510 | 113 | 1,386 | -1,273 | 0 | 0 | 0 |
| Unfinished Oils | 175 | 0 | 175 | 682 | 0 | 682 | 0 | 959 | -959 | 0 | 0 | 0 | 102 | 0 | 102 |
| Motor Gasoline Blending Components | 149 | 0 | 149 | 25 | 0 | 25 | 0 | 174 | -174 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 47,535 | 5,414 | 42,121 | 21,172 | 4,436 | 16,736 | 1,818 | 62,874 | -61,056 | 1,303 | 1,453 | -150 | 2,349 | 0 | 2,349 |
| Finished Leaded Motor Gasoline | 16,268 | 3,087 | 13,181 | 11,170 | 1,983 | 9,187 | 912 | 24,190 | -23,278 | 648 | 941 | -293 | 1,203 | 0 | 1,203 |
| Finished Unleaded Motor Gasoline | 31,267 | 2,327 | 28,940 | 10,002 | 2,453 | 7,549 | 906 | 38,684 | -37,778 | 655 | 512 | 143 | 1,146 | 0 | 1,146 |
| Naphtha-Type Jet Fuel | 218 | 14 | 204 | 41 | 13 | 28 | 0 | 245 | -245 | 13 | 0 | 13 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 488 | 200 | 288 | 260 | 80 | 180 | 159 | 767 | -608 | 0 | 172 | -172 | 312 | 0 | 312 |
| Kerosene | 9,683 | 284 | 9,399 | 3,897 | 678 | 3,219 | 64 | 13,255 | -13,191 | 456 | 48 | 408 | 165 | 0 | 165 |
| Distillate Fuel Oil | 530 | 30 | 500 | 104 | 2 | 102 | 0 | 602 | -602 | 0 | 0 | 0 | 0 | 0 | 0 |
| Residual Fuel Oil | 20,411 | 2,264 | 18,147 | 6,870 | 1,123 | 5,747 | 531 | 24,904 | -24,373 | 437 | 441 | -4 | 483 | 0 | 483 |
| Naphtha and Other Oils for Petro. | 743 | 0 | 743 | 206 | 99 | 107 | 53 | 903 | -850 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feedstock Use | 28 | 12 | 16 | 9 | 42 | -33 | 35 | 18 | 17 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 303 | 0 | 303 | 121 | 0 | 121 | 0 | 449 | -449 | 0 | 0 | 0 | 25 | 0 | 25 |
| Lubricants | 594 | 70 | 524 | 338 | 65 | 273 | 133 | 942 | -809 | 0 | 0 | 0 | 55 | 43 | 12 |
| Waxes | 4 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | -4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 252 | 0 | 252 | 213 | 160 | 53 | 0 | 305 | -305 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 287 | 64 | 223 | 68 | 0 | 68 | 9 | 300 | -291 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total All Products | 88,433 | 8,389 | 80,044 | 46,644 | 15,758 | 30,886 | 26,054 | 120,727 | -94,673 | 2,322 | 3,728 | -1,406 | 3,491 | 18,342 | -14,851 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 30. Production of Residual Fuel Oil by Sulfur Content, November 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|---------------------------------|----------------|----------------|-------|-----------------|-----------------|---------------------|------------------|-------|------------------|------------------|-----------------|---------------|------------|-----------------|-----|---------------|--------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La., Gulf Coast | No. La., Ark. | New Mexico | Total | | | |
| | | | | | | | | | | | | | | | | | |
| Residual Fuel Oil | 3,901 | 197 | 4,098 | 74 | 1,602 | 228 | 358 | 2,262 | 823 | 6,305 | 3,367 | 288 | 80 | 10,863 | 299 | 10,557 | 28,079 |
| 0.00 to 0.30% Sulfur | 777 | 12 | 789 | 0 | 84 | 0 | 0 | 84 | 16 | 166 | 339 | 110 | 4 | 635 | 90 | 1,316 | 2,914 |
| 0.31 to 1.00% Sulfur | 2,155 | 0 | 2,155 | 30 | 241 | 0 | 160 | 431 | 551 | 824 | 1,314 | 122 | 0 | 2,811 | 86 | 2,311 | 7,794 |
| Greater Than 1.00% Sulfur | 969 | 185 | 1,154 | 44 | 1,277 | 228 | 198 | 1,747 | 256 | 5,315 | 1,714 | 56 | 76 | 7,417 | 123 | 6,930 | 17,371 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 31. Stocks of Residual Fuel Oil by Sulfur Content, November 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|-------|-----------------|-----------------|---------------------|------------------|------------------|--------------|------------------|-----------------|-----------------|------------|---------------|-------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La., Gulf Coast | No. La., Ark. | New Mexico | | Total | Dist. IV Rocky Mt. |
| Residual Fuel Oil -- 0.00 to 0.30% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 356 | 16 | 372 | 0 | 67 | 4 | 0 | 71 | 53 | 96 | 159 | 15 | 3 | 326 | 117 | 484 |
| Bulk Terminal | -- | -- | 5,977 | -- | -- | -- | -- | 193 | -- | -- | -- | -- | -- | 0 | 0 | 6,170 |
| Total | └ | -- | 6,349 | -- | -- | -- | -- | 264 | -- | -- | -- | -- | -- | 326 | 117 | 7,540 |
| Residual Fuel Oil -- 0.31 to 1.00% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 756 | 2 | 758 | 52 | 400 | 0 | 123 | 575 | 142 | 582 | 905 | 82 | 0 | 1,711 | 138 | 2,064 |
| Bulk Terminal | -- | -- | 8,444 | -- | -- | -- | -- | 441 | -- | -- | -- | -- | -- | 1,926 | 0 | 265 |
| Total | -- | -- | 9,202 | -- | -- | -- | -- | 1,016 | -- | -- | -- | -- | -- | 3,637 | 138 | 2,329 |
| Residual Fuel Oil -- Greater than 1.00% Sulfur | | | | | | | | | | | | | | | | |
| Refinery | 747 | 82 | 829 | 1 | 1,338 | 208 | 61 | 1,608 | 204 | 3,391 | 1,269 | 48 | 0 | 4,912 | 364 | 4,012 |
| Bulk Terminal | -- | -- | 7,850 | -- | -- | -- | -- | 804 | -- | -- | -- | -- | -- | 1,481 | 0 | 1,366 |
| Total | -- | -- | 8,679 | -- | -- | -- | -- | 2,412 | -- | -- | -- | -- | -- | 6,393 | 364 | 5,378 |
| | | | | | | | | | | | | | | | | |

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable

Table 32. Movements of Residual Fuel Oil by Tanker and Barge between PAD Districts, by Sulfur Content, November 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | From V to | | |
|---------------------------------|-----------|-----|---|------------|-----|----|-------------|---------|----------|-----------|-----|-----|
| | II | III | V | I | III | V | I | New Eng | Cent Atl | Low Atl | II | III |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 46 | 53 | 0 | 697 | 0 | 513 | 184 | 206 |
| 0.00 to 0.30% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00% Sulfur | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 528 | 0 | 474 | 54 | 0 |
| Greater Than 1.00% Sulfur | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 169 | 0 | 39 | 130 | 206 |
| | | | | | | | | | | | | |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, November 1984
(Thousand Barrels)

| Country | Residual Fuel Oil | | | | Total |
|----------------------------------|-------------------|------------------|-----------------------|--|-------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | | |
| Arab OPEC | | | | | |
| Algeria | 1,374 | 0 | 0 | | 1,374 |
| Iraq | 0 | 0 | 0 | | 0 |
| Kuwait | 0 | 0 | 0 | | 0 |
| Libya | 0 | 0 | 0 | | 0 |
| Qatar | 0 | 0 | 0 | | 0 |
| Saudi Arabia | 0 | 0 | 0 | | 0 |
| United Arab Emirates | 0 | 0 | 0 | | 0 |
| Subtotal Arab OPEC | 1,374 | 0 | 0 | | 1,374 |
| Other OPEC | | | | | |
| Ecuador | 0 | 0 | 180 | | 180 |
| Gabon | 0 | 0 | 0 | | 0 |
| Indonesia | 0 | 0 | 0 | | 0 |
| Iran | 0 | 0 | 0 | | 0 |
| Nigeria | 0 | 0 | 0 | | 0 |
| Venezuela | 1,284 | 248 | 1,896 | | 3,428 |
| Subtotal Other OPEC | 1,284 | 248 | 2,076 | | 3,608 |
| Other | | | | | |
| Angola | 343 | 345 | 0 | | 688 |
| Australia | 63 | 0 | 9 | | 72 |
| Bahamas | 534 | 0 | 0 | | 534 |
| Bolivia | 0 | 0 | 0 | | 0 |
| Brazil | 914 | 25 | 0 | | 939 |
| Brunei | 0 | 0 | 0 | | 0 |
| Canada | 136 | 176 | 445 | | 757 |
| Congo | 0 | 0 | 0 | | 0 |
| Egypt | 0 | 0 | 0 | | 0 |
| France | 0 | 0 | 0 | | 0 |
| Ghana | 0 | 0 | 0 | | 0 |
| Liberia | 0 | 0 | 0 | | 0 |
| Malaysia | 0 | 0 | 0 | | 0 |
| Mexico | 322 | 0 | 629 | | 951 |
| Netherlands | 0 | 0 | 0 | | 0 |
| Netherlands Antilles | 854 | 0 | 2,838 | | 3,691 |
| Norway | 0 | 0 | 0 | | 0 |
| Oman | 0 | 0 | 0 | | 0 |
| People's Republic of China | 0 | 0 | 0 | | 0 |
| Peru | 250 | 0 | 0 | | 250 |
| Puerto Rico | 0 | 0 | 0 | | 0 |
| Romania | 0 | 0 | 0 | | 0 |
| Spain | 0 | 0 | 0 | | 0 |
| Syria | 0 | 0 | 0 | | 0 |
| Trinidad | 0 | 0 | 0 | | 0 |
| Tunisia | 0 | 0 | 0 | | 0 |
| United Kingdom | 0 | 0 | 0 | | 0 |
| Virgin Islands | 1,852 | 1,465 | 808 | | 4,125 |
| Yugoslavia | 0 | 0 | 0 | | 0 |
| Zaire | 0 | 0 | 0 | | 0 |

See footnotes at end of table.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, November 1984
(Thousand Barrels)
(continued)

| Country | Residual Fuel Oil | | | Total |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| Other | | | | |
| Other Western Hemisphere | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 497 | 22 | 122 | 640 |
| Subtotal Other | 5,764 | 2,033 | 4,851 | 12,648 |
| Total Imports | 8,422 | 2,281 | 6,927 | 17,630 |

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 34. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, November 1984
(Thousand Barrels)

| State | Residual Fuel Oil | | | Total |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| PAD District I | 7,620 | 1,977 | 6,085 | 15,682 |
| Connecticut | 93 | 0 | 0 | 93 |
| Florida | 0 | 158 | 496 | 654 |
| Maine | 0 | 0 | 286 | 286 |
| Maryland | 178 | 303 | 218 | 699 |
| Massachusetts | 737 | 25 | 1,268 | 2,030 |
| New Jersey | 708 | 193 | 1,627 | 2,528 |
| New York | 5,205 | 1,061 | 857 | 7,122 |
| North Carolina | 0 | 0 | 381 | 381 |
| Pennsylvania | 77 | 238 | 238 | 553 |
| South Carolina | 0 | 0 | 80 | 80 |
| Vermont | 13 | 0 | 1 | 14 |
| Virginia | 609 | 0 | 633 | 1,242 |
| PAD District II | 2 | 0 | 65 | 67 |
| Michigan | 1 | 0 | 17 | 17 |
| Minnesota | 0 | 0 | 9 | 9 |
| North Dakota | 1 | 0 | 0 | 1 |
| Ohio | 0 | 0 | 40 | 40 |
| PAD District III | 735 | 248 | 623 | 1,605 |
| Louisiana | 1 | 0 | 0 | 1 |
| Texas | 733 | 248 | 623 | 1,604 |
| PAD District IV | 3 | 0 | 17 | 21 |
| Montana | 3 | 0 | 17 | 21 |
| PAD District V | 63 | 56 | 137 | 256 |
| California | 63 | 0 | 6 | 69 |
| Hawaii | (s) | 22 | 131 | 153 |
| Washington | 0 | 34 | 0 | 34 |
| All PAD Districts | 8,422 | 2,281 | 6,927 | 17,630 |

Glossary



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Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}-(\text{CH})_n-\text{OH}$. Alcohol includes methanol and ethanol.

Alkylation. A refinery process for chemically combining isoparaffin with olefin hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr } 60\text{F}/60\text{F}} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene.

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation gasoline.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt and wax to barrels are given in the definitions for these products.

Barrels Per Calendar Day. See *Operable Capacity*.

Barrels Per Stream Day. See *Operable Capacity*.

Bi-Metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g. platinum, rhenium).

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon. (C_4H_{10}). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C_4H_8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil.

Catalytic Hydrocracking. A refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. naphthas, reformer feeds and heavy gas oils) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the conversion of low-octane gasoline fractions into higher octane stocks suitable for blending into finished gasoline; also the conversion of naphthas to obtain a more volatile product of higher octane number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g. platinum, alumina).

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. In-

cludes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite and oil shale. Drip gases are also included, but topped crude oil (residual) oil and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process to produce low Conradson carbon gas oil for catalytic cracking feedstock and for gasoline.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F. at the 10-percent point and 550 degrees F. at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a boiling range between 300-575 degrees F. and used in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees F. for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C₂H₆). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinic hydrocarbon, (C₂H₄), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Fluid Coking. A thermal process utilizing the fluidized-solids technique for continuous conversion of heavy, low-grade oils into lighter products.

Gasohol. See **Motor Gasoline (Finished).**

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillate-type fuel oils and diesel fuel, also cracked to produce gasoline.

Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation or motor gasoline.

Idle Capacity. The component of operable capacity that is not in operation and not under active repairs, but capable of being placed in operation within 30 days; and capacity not in operation but under active repairs that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported

crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See **Butane**.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alkylation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that boils at a temperature between 300-550 degrees F., that has a flash point higher than 100 degrees F. by ASTM Method D56, that has a gravity range from 40-46 degrees API, and that has a burning point in the range of 150-175 degrees F. Included are the two classifications recognized by ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees F. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 percent distillation temperature of 400 degrees F. It is covered by ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and nonassociated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liquefied Petroleum Gases (LPG). Ethane, Ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/ or refrigeration they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas used for chemical or rubber manufacture which is reported as a petrochemical feedstock and also excludes liquefied petroleum gases intended for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstock or other uses.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrofining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a boiling range of 122-158 degrees F. at the 10-percent point to 365-374 degrees F. at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. The actual lead content of any given gallon, however, may vary as a function of the size of the producer and company according to specific Environmental Protection Agency waiver provisions. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blend stock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specification of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: Ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e. products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C₅H₁₂), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See *Butane*.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation, and not under active repairs but capable of being placed in operation within 30 days; or not in operation but under active repairs that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed in an atmos-

pheric distillation facility during a twenty-four hour period after making allowances for the following limitations:

The capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation.

The types and grades of inputs to be processed.

The types and grades of products expected to be manufactured.

The environmental constraints associated with refinery operations.

The reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs and turnaround.

The reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline and plant condensate.

Petrochemical Feedstock Use. Chemical feedstock derived from petroleum, principally for the manufacture of chemicals, synthetic rubber and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F. end-point" and "Other oils over 400 degrees F. end point."

Naphtha-Less Than 400 Degrees F. End-Point. Naphtha with an end point of less than 400 degrees F. that is intended for use as a petrochemical feedstock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced by delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be so as is or further purified by calcining.

Catalyst Coke. In many catalytic operations (i.e., catalytic cracking) carbon is deposited on the catalyst thus, deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refinery process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400 F. end-point, other oils over 400 F. end-point, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Petroleum Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in transit from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks excludes stocks of foreign origin that are held in bonded warehouse storage.

Propane. A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D1835.

Propylene. An olefinic hydrocarbon, (C₃H₆), recovered from refinery processes or petrochemical processes.

Residual Fuel Oil. The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Special Naphthas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees F. "Special naphthas" includes all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Petrochemical Feedstock Use. Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, less the amount of such streams returned to the source refinery. Finished petrochemical products are not included. For example, polyethylene, butadiene, etc. are considered petrochemical products; therefore, only their feedstock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series pre-

dominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42-U.S. gallon barrel.

Microcrystalline Wax. Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics:

Penetration at 77 degrees F. (D1321)-60 maximum.
Viscosity at 210 degrees F. in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum.
Oil content (D721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.1 centistokes) maximum. Oil Content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.1 centistokes) maximum. Oil Content (D721)-0.5 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and adjacent islands.

Bureau of Mines Petroleum Refining Districts and PAD Districts

The following are the Bureau of Mines petroleum refining districts which make up the PAD districts:

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalachian #2: The following counties of the State of Ohio: Erie, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ross, Pike, Scioto, and all counties east thereof.

Indiana—Illinois—Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and that part of the State of Ohio not included in the Appalachian District.

Minnesota—Wisconsin—North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma—Kansas—Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana—Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

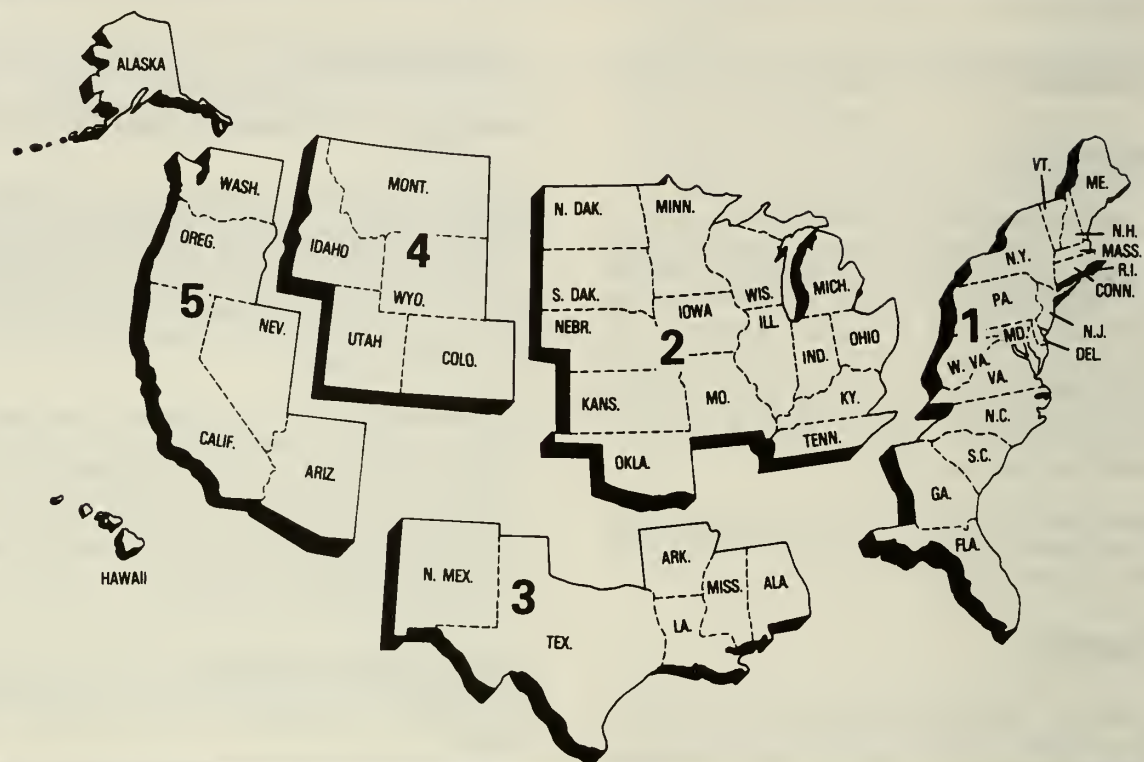
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

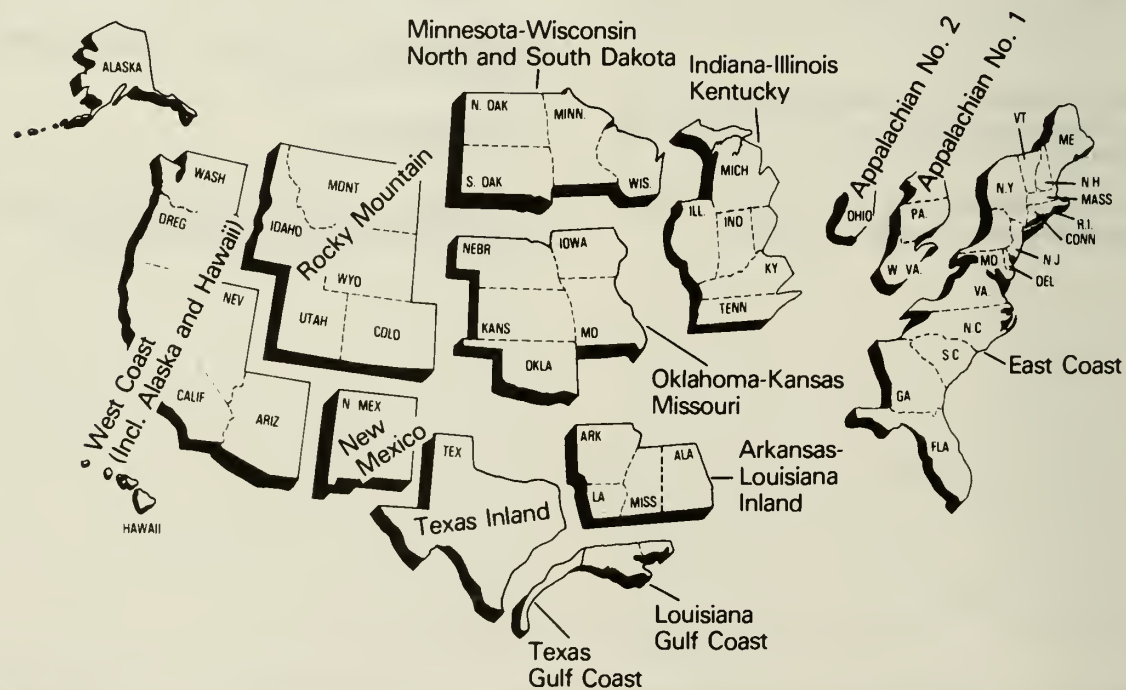
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Bureau of Mines Refining Districts

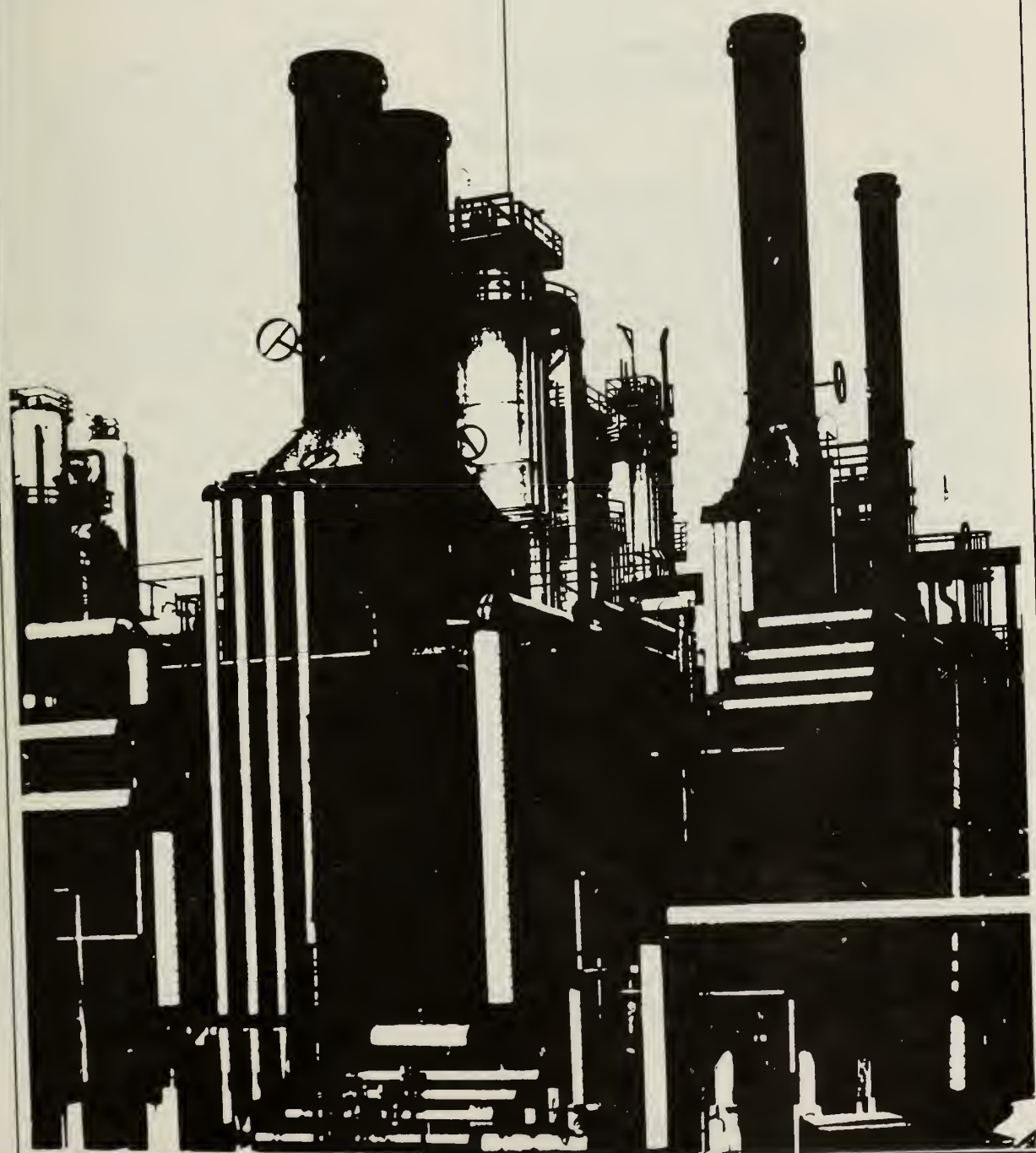


District Map Oil and Gas Division Railroad Commission of Texas



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Explanatory Notes



ИЗДАНЫ И ОТ ПЕЧАТАНЫ

Explanatory Notes

Note 1: Data Collection Methodology

Background

Beginning in January 1983, the Energy Information Administration (EIA) unified its petroleum supply data collection activities into the Petroleum Supply Reporting System (PSRS). The PSRS represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The primary focus of the consolidation has been to revise the weekly and monthly survey reporting forms to assure consistency in form layout, preparation instructions, and definitions. As a result, a new set of survey forms were implemented in January 1983. The following are the new form numbers and their corresponding predecessor forms:

| New Form Number | Name | Old Form Number |
|-----------------|--|-----------------|
| EIA-800 | Weekly Refinery Report | EIA-161 |
| EIA-801 | Weekly Bulk Terminal Report | EIA-162 |
| EIA-802 | Weekly Product Pipeline Report | EIA-163 |
| EIA-803 | Weekly Crude Oil Stocks Report | EIA-164 |
| EIA-804 | Weekly Imports Report | EIA-165 |
| EIA-805 | Weekly Shipments from Puerto Rico to the United States Report | — |
| EIA-810 | Monthly Refinery Report | EIA-87 |
| EIA-811 | Monthly Bulk Terminal Report | EIA-88 |
| EIA-812 | Monthly Product Pipeline Report | EIA-89 |
| EIA-813 | Monthly Crude Oil Report | EIA-90 |
| ERA-60 | Monthly Imports Report | ERA-60 |
| EIA-815 | Monthly Shipments from Puerto Rico to the United States Report | FEA-P133-M-0 |
| EIA-816 | Monthly Natural Gas Liquids Report | EIA-64 |
| EIA-817 | Monthly Tanker and Barge Movement Report | EIA-170 |

Forms EIA-800 through 805 comprise the Weekly Petroleum Supply Reporting System (WPSRS). This system is designed to collect basic refinery operations and product stock data for major products on a weekly basis. Data from the WPSRS are published in the *Weekly Petroleum Status Report (WPSR)* and are also used to calculate the preliminary statistics in the "Summary Statistics" section of the *Petroleum Supply Monthly*

(PSM). A description of the WPSRS survey forms follows in Note 1.1.

Forms EIA-810-813, 815-817 and ERA-60 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery operations data, refinery, bulk terminal and pipeline stocks data, crude oil and petroleum product imports data and movements of petroleum products and crude oil between PAD Districts data. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the PSM. A description of MPSRS survey forms follows in Note 1.2.

Data are also obtained in magnetic tape form from the Bureau of the Census on a monthly basis. These tapes contain aggregated import and export statistics that are used in the preparation of the PSM. A description of the Census data follows in Note 1.3.

Note 1.1: Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first began publishing weekly petroleum supply statistics in April 1979 in response to the Iranian oil crisis. Initially, the published data were taken from the American Petroleum Institute (API) *Weekly Statistical Bulletin*. However, in January 1980 the EIA began to publish weekly statistics from its own surveys, with the exception of imports statistics which the EIA did not begin collecting until June 1980.

The weekly surveys collect data comparable to those collected on a monthly basis. Selected petroleum companies report weekly data to the EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports each shipment entering the United States. On Form EIA-805, a company shipping unfinished oils and finished petroleum products into the United States from Puerto Rico reports each shipment. Current weekly data and the most recent monthly data are used to estimate the totals that are published in the *Weekly Petroleum Status Report*.

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-800: Based on the EIA-810 universe, which includes all petroleum refineries in the United States and

its territories, industrial facilities that have crude oil distillation capacity and produce some refined petroleum products, and plants that produce finished motor gasoline through mechanical blending. The selected sample size is 215.

EIA-801: Based on the EIA-811 universe, which includes all bulk terminal facilities in the United States and its territories that have either a total bulk storage capacity of 50,000 barrels or more, or that receive petroleum products by tanker, barge, or pipeline. The selected sample size is 93.

EIA-802: Based on the EIA-812 universe, which includes all petroleum product pipeline companies in the United States and its territories that transport refined petroleum products, including interstate, intrastate and intracompany pipeline movements. Pipeline companies that transport only natural gas liquids are not included in the EIA-802 frame. Only those pipeline companies that transport products covered in the weekly survey are included. The selected sample size is 65.

EIA-803: Based on the EIA-813 universe, which consists of all companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-804: Based on the ERA-60 universe, which includes all importers of record of crude oil and petroleum products into the United States and Puerto Rico. The selected sample size is 65.

EIA-805: Based on the EIA-815 universe, which includes all shippers of unfinished oils and petroleum products into the United States from Puerto Rico. Four companies report.

Sampling Method

The cut-off method is the sampling procedure used for all weekly surveys except the EIA-802, which uses the monthly universe in its entirety. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous 12-month period. Companies are chosen for the sampling, beginning with the largest and adding companies until the total sample covers 90 percent of the total for the previous time period for each product published in the *Weekly Petroleum Status Report*.

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period closes each Friday at 7 a.m. All canvassed firms and terminal operations companies must file by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M_t) is divided by the amount reported by the sample of companies for the most recent month (M_s). The result is multiplied by the amount reported by the sample of companies for the current week (W_s). The answer, W_t , is an estimate of the amount that would have been reported by all companies for the current week if all companies reported each week.

$$W_t = \frac{M_t}{M_s} (W_s)$$

This procedure is used to estimate total weekly inputs to refineries and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-by-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of weekly imports is the sum of the smoothed ratio multiplied by the weekly values and estimates for shipments from Puerto Rico. Imports of other oils includes an adjustment from Census data for unlicensed products because of coverage differences between the monthly imports data and Census data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 95 and 98 percent.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems

were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movements of petroleum products in 1959, and tanker and large movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and plants that produce finished motor gasoline through the mechanical blending of liquids which are operated or controlled in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, the Hawaiian Foreign Trade Zone, and Guam. Approximately 313 respondents report on the EIA-810.

EIA-811: All bulk terminal facilities in the 50 States and the District of Columbia, Puerto Rico, and the Virgin Islands that (a) have a total bulk storage capacity of 50,000 barrels or more and/or (b) receive petroleum products by tanker, barge, or pipeline, regardless of ownership of the material. Approximately 328 respondents report on the EIA-811.

EIA-812: All products pipeline companies that carry petroleum products (including interstate, intrastate and intracompany pipelines) in the 50 States and the District of Columbia. Approximately 94 respondents report on the EIA-812.

EIA-813: All companies which carry or store crude oil of 1,000 barrels or more in the 50 States, and the District of Columbia. Included are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water.

EIA-815: All licensed importers and importers of record shipping petroleum products from Puerto Rico into the 50 States and the District of Columbia.

Import data from the ERA-60 and EIA-815 are integrated into the import statistics reported in the PSM.

EIA-816: All operators of facilities designed to extract liquid hydrocarbons from natural gas stream (natural gas processing plants) or to separate a hydrocarbon stream into its component products, i.e., propane, butane, natural gasoline, etc. (fractionators). Approximately 990 respondents report on the EIA-816.

EIA-817: All known companies and plants that have custody of crude oil and petroleum products transported by tanker and barge between PAD Districts or between PAD Districts and the Panama Canal. There are about 50 respondents.

ERA-60: All licensed importers and importers of record importing crude oil and petroleum products into the

United States and Puerto Rico. The respondent universe consisted of approximately 1,100 firms as of July 31, 1982. However, only a selected 250 importers must report each month regardless of import activity. All others must report only for a month in which they actually had imports. The respondent universe for this survey is updated whenever an import license is granted by the Office of Oil Imports of the ERA.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *LP Gas Almanac* for information on facilities or companies going into operation or closing down. These are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Periodically an extensive survey study is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th day following the end of the report month, with the exception of the EIA-815 and ERA-60 which are due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline, for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed only for nonresponding companies that submitted reports the previous month. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. In the event that the previous month's data were estimated, the respondent is contacted and requested to submit estimates, if necessary, to be followed by submission of actual data. Data for nonrespondents on the EIA-815 and 817, and ERA-60 are not imputed.

Response Rates

As of the filing deadline, the response rates of the EIA-810 through EIA-813 respondents is over 90 per-

cent. The response rate for the EIA-816 is over 85 percent and for the EIA-817 it is 98 percent. All companies that have not responded are contacted by telephone. Although data are taken by telephone to expedite processing, a certified submission is still required. Names of companies that fail to file for 2 consecutive months are forwarded for further noncompliance action.

In July 1983, the ERA-60 survey had a response rate of 99.9 percent by the filing deadline. The universe was 1,100 firms at that time. (Because this is a dynamic survey, the universe is constantly changing.) Standard follow-up of nonrespondents is made to insure that all reports are received, since data are not imputed for nonrespondents. In addition, response is cross-checked with response on the Petroleum Licensing Decrementation System (PLDS), a listing of each month's importers. The response rate is generally 98 to 99 percent by the time the data are first published.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data provide the only source of export statistics and are used to augment the import data collected by the EIA. Export statistics and import data from the Census tapes on liquefied petroleum gases and bonded ship bunkers are published in the PSM.

Import Statistics (IM-145)

Coverage

The import statistics reflect both government and non-government imports of merchandise from foreign countries into the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico), without regard to whether or not a commercial transaction is involved. In general, the statistics record the physical movement of merchandise into the United States from foreign countries, with the exception of the following types of transactions that are excluded from the statistics:

1. Merchandise in-transit through the United States, when documented with Customs as an in-transit movement.
2. Shipments from anywhere to U.S. possessions and shipments from U.S. possessions to the United States. (U.S. possessions include Puerto Rico, the Virgin Islands, Guam, and American Samoa.)
3. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Imported petroleum is reported as *Imports for Consumption*. Imports for consumption are a combination of entries for immediate consumption and withdrawals from warehouses for consumption. With certain exceptions as indicated above, these data generally reflect the total of commodities entered into U.S. consumption channels.

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Coverage

The export statistics reflect both government and non-government exports of domestic and foreign merchandise from the U.S. Customs territory (the 50 States, the District of Columbia, and Puerto Rico) to foreign countries, without regard to whether or not the exportation involves a commercial transaction. In general, the statistics record the physical movement of merchandise out of the United States to foreign countries, with the exception of the following types of transactions:

1. All shipments from U.S. possessions, regardless of whether the shipments are sent to the United States, to other U.S. possessions, or to foreign countries.
2. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
3. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census primarily from copies of Shipper's Export Declarations. Exporters are required to file Shipper's Export Declarations with Customs officials. The only exceptions are those exporters who have been authorized to submit data directly to the Bureau of Census on magnetic tape, punched cards, or monthly Shipper's Summary Export Declarations.

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. For survey description and other detail, see Explanatory Note 1.2.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

Imports of crude oil and petroleum products are reported monthly on Form ERA-60, *Report of Oil Imports into the United States and Puerto Rico*, and Form EIA-815, *Shipments of Refined Products (Including Unfinished Oils) from Puerto Rico to the United States*. In addition, the Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. The most prominent difference between the EIA and Census systems appears in imports of liquefied petroleum

gases (LPG), where the Census data show a much higher level of imports than EIA data. This occurs because the ERA-60 respondent frame was built by monitoring importers of licensed products and LPGs are not licensed products. Therefore, respondents that import only LPGs have not been identified, and do not report these imports to the Department of Energy. Since these importers are required to file form 7501 with the U.S. Customs Service, EIA obtains data on imports of LPGs from Census Tabulation IM-145. Additional data taken from the IM-145 are relatively small quantities of naphtha- and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the ERA-60 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the month from stocks at the beginning of the same month. (Note: The beginning stocks of one month are equal to the ending stocks of the previous month.) A positive result (+) would represent a withdrawal from stocks and an increase in petroleum supplies distributed for domestic consumption. A negative result (-) would represent a buildup of stocks and a reduction in the amount of petroleum supplies distributed for domestic consumption. For a description of survey forms used to make stock withdrawal or addition calculations see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition.

Crude oil supply is the sum of field production, imports and stock withdrawals or additions. Crude oil disposition is the sum of exports, refinery input, losses and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supplies from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by each of the State conservation agencies, which collect crude oil production values for tax purposes. The U.S. Geological Survey reports the volume of crude oil that is produced offshore in Federally-owned waters. With the exception of ten State conservation agencies, all of these reports are received monthly. After each calendar year, these monthly numbers are updated using the annual reports

from the State conservation agencies and the U.S. Geological Survey. The ten States that do not report monthly values are Indiana, Kentucky, Missouri, Arkansas, Utah, New York, Ohio, Pennsylvania, West Virginia, and Wyoming. Monthly values are estimated for these States using the individual linear trends of their historical annual crude oil production values.

There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information on crude oil production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the EIA's Dallas Field Office prepares a series of State level estimates which are based on historical production patterns and are summed to obtain the monthly crude oil production values shown in the summary statistics of this publication.

The individual State level estimates are either exponential curve fitted projections based on recent data or are constant level projections based on the average production rate during a recent time period. In some cases, adjustments are made to these estimates based on additional information on expected changes in production rates supplied by a State agency, a trade association, or an individual field operator.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries. Crude oil losses at refineries are reported on Form EIA-810, *Refinery Report*.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawaiian Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refineries located in these places.

Product Supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus re-

finery input, minus exports. This formula ensures that total disposition equals total supply.

Products supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of that product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported, (2) data were misreported or reported late, (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Refinery Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Stocks of crude oil are also reported weekly on Form EIA-800, *Weekly Refinery Report*, and on Form EIA-803, *Weekly Crude Oil Stocks Report*. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or stocks held by consumers. Petroleum product stocks are also reported weekly on Form EIA-800, *Weekly Refinery Report*, Form EIA-801, *Weekly Bulk Terminal Report*, and Form EIA-802, *Weekly Crude Oil Stocks Report*. For survey descriptions and other details, see Explanatory Notes 1.1 - 1.3.

Note 6: Average Stock Levels

The graphs displaying monthly stock levels of crude oil, motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases provide the user with recent data as well as a summary of data from January through December or from July through June for the most recent 3-year period. This summary takes the form of an *average range* that includes seasonal variation determined from a longer time period. The average range represents the historical pattern; it is not a forecast.

These curves are updated semiannually (in April and October), by basing the *average ranges* on a more recent time period. Each 3-year data series is adjusted by dropping the first 6 months and including the most recent 6 months.

For each data series, the monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Bureau of the Census (Census -11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive. The series is deseasonalized by subtracting the seasonal factor for the appropriate month from the reported stock levels. The intent of deseasonalization is to remove only seasonal variation from the data. Thus, a deseasonalized series would contain the same trends and irregularities as the original data. The seasonal factors for distillate fuel oil, residual fuel oil, and liquefied petroleum gases were derived using monthly data for 1977-1983. For motor gasoline, the seasonal factors are based on monthly data for 1978-1983. In 1977, there was virtually no seasonal behavior in motor gasoline stocks. Monthly stock levels stayed at the same high level for the entire year.

After seasonal factors are derived, the most recent 3-year period (from January through December or from July through June) is deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard error of the deseasonalized 36 months is calculated adjusting for extreme data points. The width of the *average range* is twice this standard error.

The upper curve of the *average range* is defined as the average plus the seasonal factors plus the standard error. The lower curve is defined as the average plus the seasonal factors minus the standard error.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Forms EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other detail, see Explanatory Note 1.2.

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, and 804) are used to estimate the most recent monthly values for the *Summary Statistics* section. Since some of the weekly reporting periods overlap two adjacent months,

it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-of-month stock levels of crude oil and the major products (motor gasoline, distillate fuel oil, and residual fuel oil) are calculated in a similar manner, but use only the two weekly reporting periods that cover the end-of-week stocks before and after the end of the month. The end-of-month stock level is calculated by first calculating the stock change between the two weeks. The daily stock change between the two end-of-week stock levels is then calculated. This number is multiplied by the weighting factor of the earlier of the two weeks (the week that covers the last day of the month of interest). This change is added to the earlier of the two end-of-week stock levels to estimate the end-of-month stock level.

Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, Total Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 4. Total Production and Crude Oil Production appear under Field Production in Table 4.
- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.
- Petroleum Products Imports is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.
- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 9.2 Crude Oil Supply and Disposition statistics on the referenced line appear in Table 1 of the Detailed Statistics, except where noted.

- Total Domestic Field Production, Alaskan Field Production, SPR Imports, Other Imports (synonymous with Imports Gross Excl. SPR), SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unac-

counted For Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.

- Crude Losses and Product Supplied appear as labeled in Table 4.

- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.

- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.

- Total Imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Ending Stocks appear in thousand barrels in Table 2.

Note 9.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, propane, butane, butane-propane mixtures, ethane-propane mixtures, and isobutane. The statistics on the referenced line appear in Table 4 of the Detailed Statistics, except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.

- Ending stocks appear in thousand barrels in Table 2.

Note 9.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on natural gasoline, isopentane, unfractionated stream, plant condensate, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, and residual fuel oil. The statistics on the referenced line are aggregated from Table 4 of the Detailed Statistics, except where noted.

- Total Production is the aggregated sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 4.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska, Lower 48 States*, and *Total U.S.* are calculated by calling the conservation agency in Alaska for Alaskan crude oil production during the month, estimating crude oil production in the United States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 States.

- Line (5): *SPR Imports* are reported on Survey Form ERA-60.

- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude losses in Table 2.

- Line (14): Natural gas plant liquids (NGPL) *Production* equals field production of natural gas liquids (NGL) plus field production of finished petroleum products in Table 2.

- Line (15): NGPL *Imports* equals the sum of the imports of natural gasoline and isopentane, unfractionated stream, and plant condensate imports in Table 2.

- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the sum of stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate in Table 2.

- Line (17) equals the sum of lines (14), (15), and (16).

- Line (18): Unfinished oils and gasoline blending components *Stock Withdrawal (+) or Addition (-)* equals stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, for unfinished oils, motor gasoline blending components, and aviation gasoline blending components.

- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.

- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.

- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).

- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.

- Line (25): *Gross Imports of Refined Products* equals imports of LPG plus imports of finished petroleum products in Table 2.

- Line (26): *Exports of Refined Products* equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports of Refined Products* equals the difference between lines (25) and (26).

- Line (28): *Total New Supply of Products* equals crude oil input to refineries plus field production of NGPL and finished petroleum products; plus imports of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of natural gasoline and isopentane, unfractionated stream, and plant condensate; plus stock withdrawal (+) or addition (-) of other hydrocarbons and alcohol, unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus imports of unfinished oils, aviation gasoline blending components, and motor gasoline blending components; plus field production of other hydrocarbons and alcohol; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stocks Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or addition (-) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Products Supplied for Domestic Use* equals total products supplied in Table 2.

- Lines (31) through (35) equal the respective products supplied in Table 2.

- Line (36): *Other Products Supplied* equals the sum of natural gasoline and isopentane, unfractionated stream, plant condensate, aviation gasoline, naphtha < 400 Deg. F. for petrochemical feedstock use, other oils > 400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, coke, asphalt, road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39), stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve*, equals ending stocks of crude oil in Table 2. SPR stocks are reported on Form EIA-813.

- Line (43): stocks of *Refined Products*, equals the sum of LPG and finished petroleum product stocks in Table 2.

Note 10: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982 - 645 (Total) and 351 (Other Primary).
- Crude Oil and Petroleum Products: 1974 - 1,121; 1980 - 1,420; and 1982 - 1,462.
- Motor Gasoline: 1974 - 225; 1980 - 263; 1982 - 244 (Total) and 203 (Finished).
- Distillate Fuel Oil: 1974 - 224; 1980 - 205; and 1982 - 186.
- Residual Fuel Oil: 1974 - 75; 1980 - 91; and 1982 - 68.
- Liquefied Petroleum Gases: 1974 - 113; 1980 - 128; and 1982 - 103.
- Other Petroleum Products: 1974 - 220; 1980 - 249; and 1982 - 259.
- Stock withdrawal calculations beginning in 1975, 1981, 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Prod-

ucts Supply and Disposition" table in the Summary Statistics, is now reported on a component basis (ethane, propane, normal butane, isobutane and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the Summary Statistics. This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983 - 108
- Other Petroleum Products: 1983 - 248

Note 11: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 12: Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting systems.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings throughout 1980. However, estimates of the magnitudes of differences in the major

data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline sales data series, which is derived from State tax receipts. This difference increased to about 4 percent in 1979 and 5 percent in 1980. There are two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from refineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference—in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). The following table provides 1979 and 1980 data as published in the *Petroleum Statement Annual*, as well as EIA and API estimates of "recast" motor gasoline product supplied. EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum Statement*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years. EIA has recently published a study of the quality of these FHWA data.¹

¹Office of Energy Information Validation, Energy Information Administration, U.S. Department of Energy, *Error Profile of the Motor Fuel Taxation Data used to Establish and Monitor State Emergency Conservation Targets* (Washington, D.C.: December, 1981).

**Finished Motor Gasoline Product Supplied on Old and New Basis
(Thousand Barrels per Day)**

| | 1979 | | | | 1980 | | | |
|---------|-----------------|---------------|-----------------|-------------------|-----------------|---------------|-----------------|-------------------|
| | EIA Reported | API Recast | EIA Recast | FHWA ¹ | EIA Reported | API Recast | EIA Recast | FHWA ¹ |
| Jan | 6,830 | 7,230 | 7,084- 7,246 | 6,984 | 6,323 | 6,789 | 6,630- 6,791 | 6,672 |
| Feb | 7,254 | 7,496 | 7,389- 7,568 | 7,538 | 6,596 | 6,983 | 6,831- 7,003 | 6,830 |
| Mar | 7,229 | 7,414 | 7,301- 7,463 | 7,316 | 6,406 | 6,753 | 6,607- 6,768 | 6,713 |
| Apr | 7,055 | 7,300 | 7,187- 7,353 | 7,375 | 6,800 | 7,014 | 6,886- 7,052 | 6,981 |
| May | 7,213 | 7,429 | 7,313- 7,475 | 7,428 | 6,729 | 6,954 | 6,823- 6,984 | 7,044 |
| Jun | 7,191 | 7,483 | 7,350- 7,516 | 7,441 | 6,657 | 6,966 | 6,824- 6,991 | 7,049 |
| Jul | 6,902 | 7,241 | 7,105- 7,266 | 7,299 | 6,743 | 6,973 | 6,960 | 7,132 |
| Aug | 7,330 | 7,546 | 7,426- 7,588 | 7,619 | 6,648 | 6,841 | 6,828 | 7,090 |
| Sep | 6,881 | 7,122 | 7,016- 7,262 | 7,232 | 6,510 | 6,692 | 6,962 | 6,685 |
| Nov | 6,791 | 7,068 | 6,956- 7,122 | 7,142 | 6,234 | 6,507 | 6,516 | 6,951 |
| Dec | 6,730 | 7,106 | 6,966- 7,127 | 7,064 | 6,632 | 6,948 | 6,936 | 6,993 |
| Average | 7,034 | 7,302 | 7,183- 7,347 | 7,309 | 6,579 | 6,882 | 6,806- 6,889 | 6,925 |

¹FHWA gasoline statistics published in their 1979 Table MF-33G, 08-06-80, contain aviation gasoline as well as motor gasoline. Only motor gasoline data are included in published 1980 data. Consequently, the 1979 data shown above were reduced by subtracting aviation gasoline product supplied quantities as published by EIA in the 1979 *Petroleum Statement Annual*. The 1980 FHWA data published in their 1980 Table MF-33GA, August 1981, did not require this adjustment.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distillate and residual fuel oil produced by a refinery is shipped to another refinery, where it is treated as unfinished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference between unfinished oil disposition and supply was sub-

tracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the difference was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981 this adjustment was discontinued because there was not sufficient empirical evidence to support it. The following table presents distillate and residual fuel oil refinery production in 1980 as published (adjusted) and on the same basis as 1981 statistics are now being completed (unadjusted) to permit comparison between 1980 and 1981 data series. Adjusted distillate and residual fuel oil product supplied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted production volumes.

Adjusted and Unadjusted Refinery Production, and Unadjusted Product Supplied of Distillate and Residual Fuel Oils, by Month for 1979 and 1980 (Thousand Barrels Per Day)

1979

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,043 | 3,108 | 65 | 4,646 | 1,912 | 1,946 | 34 | 3,594 |
| Feb. | 2,888 | 2,945 | 57 | 4,869 | 1,792 | 1,822 | 30 | 3,625 |
| Mar. | 3,019 | 3,026 | 7 | 3,671 | 1,719 | 1,723 | 4 | 3,243 |
| Apr. | 2,945 | 2,978 | 32 | 3,048 | 1,639 | 1,656 | 17 | 2,524 |
| May | 3,066 | 3,093 | 27 | 3,025 | 1,586 | 1,600 | 14 | 2,517 |
| Jun. | 3,153 | 3,187 | 35 | 2,743 | 1,548 | 1,566 | 18 | 2,601 |
| Jul. | 3,305 | 3,344 | 38 | 2,601 | 1,575 | 1,594 | 20 | 2,471 |
| Aug. | 3,321 | 3,359 | 38 | 2,799 | 1,584 | 1,603 | 20 | 2,570 |
| Sep. | 3,354 | 3,306 | -48 | 2,599 | 1,627 | 1,602 | -25 | 2,584 |
| Oct. | 3,251 | 3,217 | -34 | 3,085 | 1,629 | 1,612 | -17 | 2,523 |
| Nov. | 3,239 | 3,200 | -39 | 3,208 | 1,736 | 1,716 | -20 | 2,795 |
| Dec. | 3,221 | 3,238 | 17 | 3,725 | 1,894 | 1,903 | 9 | 3,022 |
| Average | 3,152 | 3,169 | 16 | 3,327 | 1,687 | 1,695 | 8 | 2,834 |

1980

| Month | Distillate Fuel Oil | | | | Residual Fuel Oil | | | |
|---------|---------------------|-------------------|-------|-------------------------|-------------------|-------------------|-------|-------------------------|
| | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied | Adj. Ref. Prod. | Unadj. Ref. Prod. | Diff. | Unadj. Product Supplied |
| Jan. | 3,013 | 3,093 | 80 | 3,794 | 1,771 | 1,812 | 41 | 3,108 |
| Feb. | 2,766 | 2,888 | 122 | 3,834 | 1,773 | 1,836 | 63 | 3,168 |
| Mar. | 2,557 | 2,690 | 133 | 3,312 | 1,584 | 1,652 | 68 | 2,726 |
| Apr. | 2,460 | 2,554 | 94 | 2,729 | 1,595 | 1,643 | 48 | 2,492 |
| May | 2,474 | 2,610 | 136 | 2,538 | 1,509 | 1,579 | 70 | 2,305 |
| Jun. | 2,646 | 2,721 | 75 | 2,392 | 1,575 | 1,613 | 38 | 2,359 |
| Jul. | 2,689 | 2,783 | 94 | 2,343 | 1,480 | 1,528 | 48 | 2,339 |
| Aug. | 2,461 | 2,582 | 121 | 2,258 | 1,444 | 1,506 | 62 | 2,348 |
| Sep. | 2,686 | 2,726 | 40 | 2,627 | 1,495 | 1,516 | 21 | 2,380 |
| Oct. | 2,589 | 2,650 | 61 | 2,981 | 1,512 | 1,543 | 31 | 2,258 |
| Nov. | 2,703 | 2,823 | 120 | 3,069 | 1,579 | 1,641 | 62 | 2,513 |
| Dec. | 2,891 | 3,052 | 161 | 3,776 | 1,660 | 1,743 | 83 | 2,762 |
| Average | 2,661 | 2,764 | 103 | 2,969 | 1,580 | 1,634 | 54 | 2,562 |

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petroleum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids sec-

tion, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the volumes of gasoline, distillate and residual fuel oil, gasoline blending components, and unfinished oils, the total volume of petroleum products supplied remains unaffected by them.

Note 13: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Administration (EIA) implemented changes in the reporting of natural gas liquid (NGL) supply data, moving from a nine-product slate to a five-component slate that corresponds to industry record-keeping practices. Changes could not be made to the import and export systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual component parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analyses of the products they imported during the first six months of 1983. The percentages shown in Exhibit 1 are derived from the weighted averages of the data provided by the importers.

EXHIBIT 1. ALGORITHMS FOR ALLOCATING NGL IMPORTS

| PRODUCT SLATE | Ethane | Propane | Normal butane | Isobutane | Pentanes Plus |
|---|--------|---------|---------------|-----------|---------------|
| Natural Gasoline & Isopentane (EIA-814) | | | | | 100% |
| Plant Condensate (EIA-814) | | | | | 100% |
| Ethane (IM-145) | 100% | | | | |
| Butane (IM-145) | | | 60% | 40% | |
| Butane-Propane Mixtures (IM-145) | | 40% | 35% | 20% | 5% |
| Ethane-Propane Mixtures (IM-145) | 80% | 20% | | | |

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analyses of the products they

exported during 1983. The percentages shown in Exhibit 2 are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by PAD of exportation, due to the wide variation of components in the mixed streams.

EXHIBIT 2. ALGORITHMS FOR ALLOCATING NGL EXPORTS

| PRODUCT | P.A.D. | Ethane | Propane | EIA Component Slate Normal Butane | Isobutane | Pentanes Plus |
|---------------|-----------------------|--------|-------------------|--------------------------------------|-----------|---------------|
| Ethane | All | 100% | | | | |
| Propane | All | | 100% | | | |
| Butane | All | | | 100% | | |
| Mixed Streams | I, IV, V II III | 30% | 40% 25% 80% | 60% 15% 20% | 15% | 15% |

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The Standard Oil Co. of Ohio, page v (courtesy of American Petroleum Institute Photo Library).

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Petroleum Focus



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Petroleum Supply Summary

| Average Volume for Period (Million Barrels Per Day) | January | | % Change |
|---|---------|-------|-------------|
| | 1985 | 1984 | |
| Products Supplied | | | |
| Motor Gasoline | 6.4 | 6.3 | 2.0 |
| Distillate Fuel Oil | 3.4 | 3.5 | - 2.8 |
| Residual Fuel Oil | 1.5 | 2.0 | - 25.9 |
| Other Products | 4.9 | 5.0 | - 1.0 |
| Total | 16.2 | 16.7 | - 3.2 |
| Crude Inputs to Refineries | 11.6 | 11.6 | - 0.1 |
| Production | | | |
| Crude Oil, Natural Gas Liquids, and Other ¹ | 10.6 | 10.3 | 3.2 |
| Imports | | | |
| Crude Oil ² | 2.7 | 2.8 | - 6.0 |
| SPR | 0.3 | 0.2 | 32.5 |
| Products | 1.4 | 2.3 | - 37.7 |
| Total | 4.4 | 5.3 | - 18.3 |
| Exports | | | |
| Crude Oil | 0.2 | 0.2 | 20.9 |
| Products | 0.8 | 0.4 | 89.8 |
| Total | 1.0 | 0.6 | 71.5 |
| Stock Withdrawal | | | |
| Crude Oil ² | 0.4 | - 0.2 | — |
| Products | 1.4 | 1.1 | — |
| Stocks at End of Period (Million Barrels) | | | |
| Crude Oil | | | |
| SPR | 457 | 384 | 18.9 |
| Other | 331 | 348 | - 5.1 |
| Total | 788 | 733 | 7.5 |
| Products | | | |
| Motor Gasoline ³ | 231 | 225 | 2.3 |
| Distillate Fuel Oil | 143 | 119 | 20.0 |
| Residual Fuel Oil | 46 | 45 | 0.3 |
| Other | 287 | 307 | - 6.4 |
| Total | 707 | 697 | 1.4 |
| Total Crude Oil and Products | 1,495 | 1,430 | 4.5 |

1 Includes alcohol and other hydrocarbon liquids.

2 Excludes Strategic Petroleum Reserve (SPR).

3 Including blending components.

(s) = Less than 0.05 million barrels per day.

NOTE: Percent changes are based on unrounded values. January 1985 data are estimates based on weekly data, except for exports, NGL production, other hydrocarbons, and alcohol which are December 1984 monthly values. Totals may not be equal to sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Monthly*, December 1984.

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U.S. Petroleum Import/Export Trends

Overview

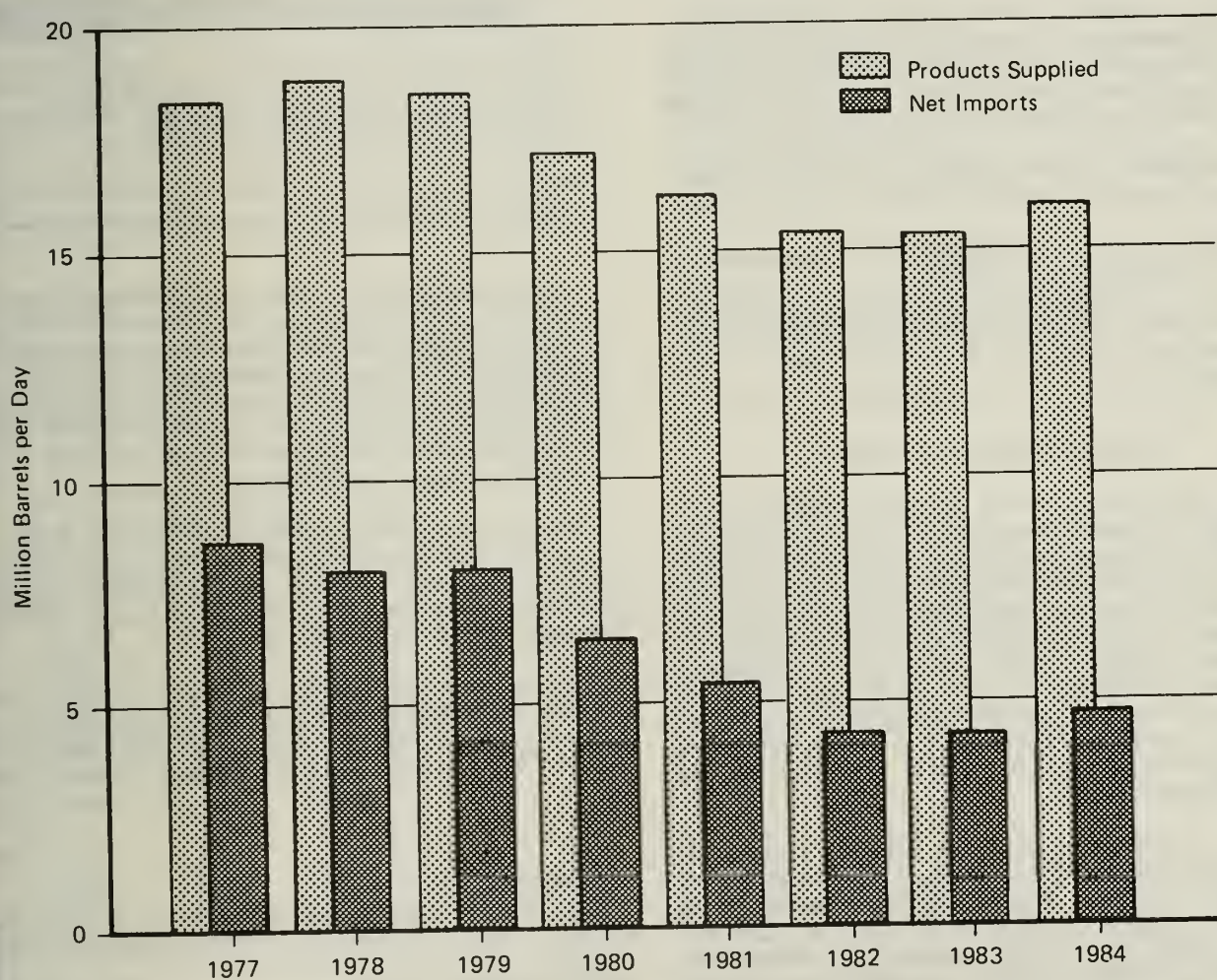
Imports continue to be an important element of U.S. petroleum supply, supplementing domestic production and stock withdrawals to meet the Nation's petroleum demand (measured as products supplied for domestic consumption). In 1984, net imports¹ of crude oil and petroleum products averaged 4.7 million barrels per day,² and represented nearly 30 percent of products supplied. This was the largest share of petroleum demand supplied by imports since 1981, when net imports accounted for 34 percent of products supplied, although it was substantially less than the 46-percent share in

1977, the peak year for net imports (Figure 1). Last year's 8-percent increase in net imports of crude oil and petroleum products was in response to an upswing in product supplied (to an average of 15.7 million barrels per day) and, to a lesser extent, to lower refiner acquisition costs for imported crude oils.

¹Net imports are calculated as gross imports of crude oil, including oil for the Strategic Petroleum Reserve, plus gross imports of petroleum products, minus exports of crude oil and petroleum products.

²Unless noted otherwise, all data in this article are from the Energy Information Administration, *Petroleum Supply Monthly*, December 1984, (DOE/EIA-0109(84/12), pp. 2-18 and 39-54. All 1984 data are preliminary.

Figure 1. Petroleum Products Supplied and Net Imports,¹ 1977-1984



¹ Net imports equal gross imports of crude oil including oil for the Strategic Petroleum Reserve, plus gross imports of petroleum products, minus exports of crude oil and petroleum products.

Source: Energy Information Administration, "Petroleum Supply Monthly," December 1984, DOE/EIA-0109 (84/12).

Highlights of 1984 activities include the following:

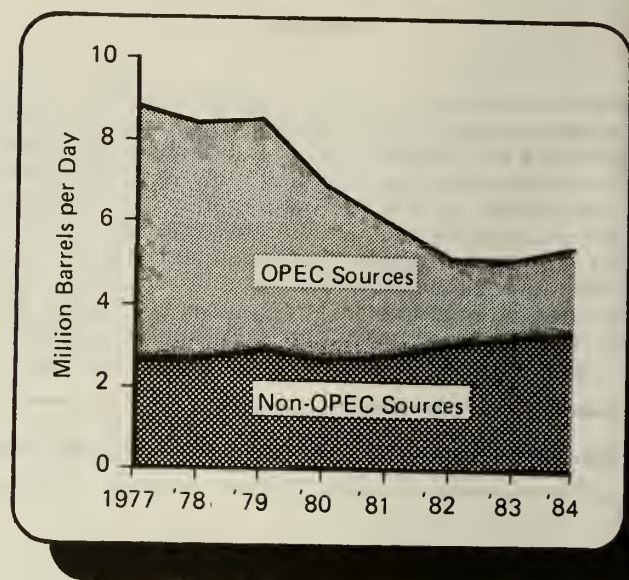
- Crude oil and petroleum products imports from members of the Organization of Petroleum Exporting Countries (OPEC)³ accounted for less than half of gross petroleum imports for the third consecutive year, after accounting for more than 70 percent in 1977 (Figure 2).
- Gross imports of crude oil averaged 3.4 million barrels per day (about 0.1 million barrels per day above the 1983 level). Mexico and the United Kingdom were the major suppliers.
- More than three-fourths of gross crude oil imports were destined for petroleum refiners in Petroleum Administration for Defense (PAD) Districts I and III (the East and Gulf Coasts, respectively).⁴
- Net imports of petroleum products increased their share of net petroleum imports for the fifth consecutive year, to 31 percent, the largest share since 1974.
- Gross imports of petroleum products entered the United States at the average rate of 2.0 million barrels per day, a 15-percent increase from 1983. Import levels were highest for residual fuel oils, finished motor gasolines, and distillate fuel oils.
- Over half of the petroleum products imported were destined for PAD District I.
- Crude oil exports⁵ averaged 0.2 million barrels per day, up 10 percent from 1983.
- Exports of petroleum products averaged 0.5 million barrels per day, 6 percent below the 1983 level.

Crude Oil Imports Changing

During 1984, U.S. petroleum demand increased for the first time in 6 years, averaging 15.7 million barrels per day. Net imports accommodated this increase in demand as domestic production of crude oil and natural gas liquids increased only slightly and refinery inputs increased 3 percent from 1983 levels. Net imports of petroleum, including crude oil and petroleum products, averaged 4.7 million barrels per day last year, up 8 percent from 1983, and satisfied nearly 30 percent of demand. In contrast, net imports equaled 46 percent of the petroleum products supplied in 1977, the peak year for petroleum imports.

Foreign countries continue as valuable sources of crude oil supplies to U.S. petroleum refiners and to the Strategic Petroleum Reserve (SPR), although gross crude oil imports during 1984 were at half the 1977 level. In 1984, gross imports averaged 3.4 million barrels per day, of which 3.2 million barrels per day went to U.S. refining companies (up 4 percent from 1 year earlier) and 0.2 million barrels per day went to the SPR (off 16 percent from 1983). Chevron Corp., Standard Oil Company of Indiana, and Texaco, Inc. were the three leading importers of crude oil during 1984. Together, they accounted for more than one-fourth of the gross

Figure 2. Petroleum Imports¹ from OPEC and Non-OPEC Sources, 1977-1984



¹ Gross imports of crude oil, including oil for the Strategic Petroleum Reserve, plus gross imports of petroleum products.

Source: Energy Information Administration, "Petroleum Supply Monthly," December 1984, DOE/EIA-1009(84/12).

imports of crude oil. Relatively low market prices, reflecting the availability of abundant supplies of foreign oils, were largely responsible for the increase in crude oil imports by refiners. The decrease in imports for the SPR resulted mainly from budgetary decisions. Crude oil stocks in the SPR totaled 451 million barrels at the end of December 1984, equal to about 3 months of net petroleum imports at the 1984 level.

The preliminary 1984 average refiner acquisition cost of imported crude oils was \$28.86 per barrel, nearly double the 1977 average but \$8.19 per barrel below the peak \$37.05 per barrel average of 1981.⁶ The cost of imported crudes has declined steadily since 1981.

In the fourth quarter of 1984, world oil prices were pressured downward by abundant supplies of oil and the slowing world demand, with reports of discounting, barter transactions, and price cutting by some OPEC

³Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

⁴See map, p. 76.

⁵Exports of crude oil are restricted by Federal laws, including the Mineral Lands Leasing Act of 1920 and the Naval Petroleum Reserve Act of 1976. They are permitted only to U.S. possessions and on an exchange basis with adjacent foreign countries.

⁶Energy Information Administration, *Monthly Energy Review*, October 1984, (DOE/EIA-0035(84/10)).

exporters and by others. Several large crude oil exporting countries (Nigeria, Norway, and the United Kingdom) reduced their selling prices for crude oils, and several U.S. refiners then reduced the prices that they were willing to pay for domestic crudes. Spot market crude oil prices fell accordingly, pressuring OPEC to protect its oil prices, which were benchmarked at \$29.00 per barrel on Saudi Arabian light crude. OPEC adjusted price differentials on some light and heavy oils, maintained the organization's benchmark price at \$29.00 per barrel, and lowered its production ceiling temporarily by 1.5 million barrels per day in an effort to counter world pressures on oil prices. Mexico also reduced its crude oil exports temporarily, apparently in support of the OPEC action.

In December 1984, the Canadian Government eased restrictions on its exporters of light crude oils, allowing them to negotiate contracts with U.S. importers for as long as 6 months. Previous crude oil sales to the United States, Canada's only crude oil export customer, had been restricted to 1- to 3-month contracts.⁷

During the last several years, U.S. refiners have reported significant changes in the quantities and qualities of crude oils purchased from foreign sources. These changes have been in response to the increased "downstream" refinery processing capacity that the petroleum companies invested in to permit handling large quantities of "heavy" crude oils (below 25 degrees American Petroleum Institute (°API) gravity) and oils with high levels of sulfur (2.5 percent or more sulfur content).

Crude Oil Imports Mainly from Non-OPEC Sources

The importance of OPEC crude oil to U.S. refiners has declined substantially since 1977, when 85 percent of

the crude oil imports, including shipments to the SPR, came from OPEC members. Last year OPEC oil accounted for 44 percent of the gross crude oil imports. In 1977, the United States imported 1.4 million barrels of crude oil per day from Saudi Arabia, the most important foreign source of crude oil to this country at that time. However, U.S. crude oil purchases from Saudi Arabia have fallen by 78 percent and averaged only 0.3 million barrels per day during 1984 (Table 1).

Most U.S. imports of crude oils during 1984 were from non-OPEC countries. Mexico emerged as the leading foreign source of crude oil for U.S. refiners in 1982, and in 1984 imports of Mexican oils averaged 0.7 million barrels per day. Imports of Mexican oils were more than three and one-half times the rate of imports from this neighbor 7 years earlier. Crude oil imports from the United Kingdom during 1984 averaged 0.4 million barrels per day, 2 percent higher than 1 year earlier, but also three and one-half times the 1977 level. Imports of Canadian crude oils averaged 0.3 million barrels per day during 1984, the highest level in 8 years, 25 percent above the 1983 crude oil shipments from that country.

The 1984 level of gross imports of crude oil was 2 percent above the 1983 level but nearly 50 percent below the average for 1977, when almost one out of every two barrels of petroleum products consumed in the United States was produced from foreign oils. Seven out of every ten barrels of foreign crude oils imported in 1984 were destined for refineries in PAD Districts I and III. The predominant foreign sources of crude oils for each

⁷"Canada Says Exporters of Light Oil Can Use 6-Month Pacts," *The Wall Street Journal*, December 18, 1984.

Table 1. Crude Oil Imports,¹ 1977-1984
(Thousand Barrels per Day)

| Source | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|--------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OPEC | | | | | | | | |
| Algeria | 544 | 634 | 608 | 456 | 261 | 90 | 176 | 193 |
| Indonesia | 507 | 533 | 380 | 314 | 318 | 226 | 315 | 303 |
| Nigeria | 1,130 | 910 | 1,069 | 841 | 611 | 510 | 301 | 206 |
| Saudi Arabia | 1,373 | 1,142 | 1,347 | 1,250 | 1,112 | 530 | 321 | 306 |
| Venezuela | 250 | 181 | 293 | 156 | 147 | 155 | 164 | 247 |
| Other OPEC | 1,839 | 1,784 | 1,415 | 847 | 473 | 223 | 200 | 241 |
| Subtotal OPEC | 5,643 | 5,184 | 5,112 | 3,864 | 2,922 | 1,734 | 1,477 | 1,497 |
| Non-OPEC | | | | | | | | |
| Canada | 279 | 248 | 271 | 199 | 164 | 214 | 274 | 343 |
| Mexico | 177 | 316 | 435 | 507 | 469 | 645 | 766 | 653 |
| U.K. | 97 | 169 | 197 | 173 | 369 | 441 | 365 | 372 |
| Other Non-OPEC | 418 | 439 | 504 | 520 | 472 | 454 | 448 | 537 |
| Subtotal Non-OPEC | 971 | 1,172 | 1,407 | 1,399 | 1,474 | 1,754 | 1,853 | 1,905 |
| Total | 6,615 | 6,356 | 6,519 | 5,263 | 4,396 | 3,488 | 3,329 | 3,402 |

¹Gross imports, including shipments for the Strategic Petroleum Reserve.

Note: All 1984 data are preliminary. Total may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, *Petroleum Supply Annual*, 1981 through 1983, DOE/EIA-0340, and precedent publications, and *Petroleum Supply Monthly*, December 1984, DOE/EIA-0109(84/12).

PAD District during 1984 were: PAD District I—United Kingdom, Mexico, and Venezuela; District II—Canada, Mexico, and Nigeria; District III—Mexico, Saudi Arabia, and United Kingdom; District IV—Canada; and District V—Indonesia, Canada, and Australia.

Average Gravity of Crude Oil Imports Decreasing

Many U.S. petroleum refiners have invested in modern downstream processing capabilities, enabling them to produce a wide range of "light" products (motor gasolines, distillate fuel oils, etc.) from low-gravity "heavy" crude oil feedstocks. "Heavy" crudes (below 25 °API gravity) were imported at the rate of 0.9 million barrels per day in 1984, accounting for one out of every four barrels of imported crude oils (Table 2). Nearly half of the heavy oils were brought into PAD District III for processing. About 0.8 million barrels per day, one-fourth of the 1984 gross imports of crude oil, were in the "light" oil range (above 37 °API). The remaining volumes were medium-grade oils. During 1977, "heavy" crude oils were imported at the rate of 0.3 million barrels per day (5 percent of the gross crude oil imports), and "light" crude oils were imported at the rate of 2.3 million barrels per day (35 percent of the total). The increases in the quantities of heavy oils were recorded mainly in PAD Districts II and III, where the recent addition to downstream processing equipment have been concentrated.

Percentage of "Sour" Crude Oil Imports Increasing

More than half (55 percent) of the 1984 gross imports of crude oil were in the low-sulfur, or "sweet" range (less than 0.5 percent sulfur content), and over one-fifth (21 percent) were in the high-sulfur or "sour" range (2.5 percent or more sulfur). Medium-grade oils accounted for the remainder. Comparable 1977 imports were: 54 percent "sweet," 4 percent "sour," and the remainder in medium-grade oils. Recent investments in downstream facilities have enabled domestic refiners to process the higher volumes of "sour" crude oils.

Refiners in the eastern half of the United States (PAD Districts I, II, and III), processed nearly all of the imported sour crudes while only small quantities were refined on the West Coast. While total crude oil imports into PAD District III declined by nearly one-third between 1977 and 1984, imports of sour crude oils into the district tripled. PAD District III imported nearly half of the sour crudes in 1984.

Imports of Refined Products Increasing

During 1984, net imports of petroleum products averaged 1.4 million barrels per day, an increase of 0.3 million barrels per day from 1983 but 0.6 million barrels per day below the 1977 level. Net imports of petroleum products accounted for nearly one-third of the combined crude oil and petroleum products net imports last year. This was the fifth consecutive yearly increase in the net petroleum products' share of the combined net imports.

Net imports of all major petroleum products except distillate and residual fuel oils were at higher levels during 1984 than in 1977, and in 1984 net imports of finished motor gasoline, distillate fuel oil, and liquefied petroleum gases (LPG's) recorded increases over 1983 levels.

Refined petroleum products from foreign refineries accounted for 13 percent of the U.S. products supplied during 1984. Amerada Hess Corp., Exxon Corp., and Apex Oil Co. were the leading importers of petroleum products last year. Two-thirds of the foreign petroleum products were imported into PAD District I. Residual fuel oils, finished motor gasolines, distillate fuel oils, and unfinished oils were the leading products imported. Imports of residual fuel oils, motor gasolines, and distillate fuel oils were highest in PAD District I, while most of the unfinished oils were imported into PAD District III.

Table 2. Crude Oil Imports,¹ by Gravity and Sulfur Content, 1984
(Thousand Barrels per Day)

| °API Gravity | Percent Sulfur Content | | | | | | Total |
|-----------------------|------------------------|------------|------------|------------|------------|------------|--------------|
| | 0.0 - 0.49 | 0.5 - 0.99 | 1.0 - 1.49 | 1.5 - 1.99 | 2.0 - 2.49 | 2.5 & over | |
| 0.0-10.0 | 40 | 0 | 4 | 1 | 3 | 147 | 195 |
| 10.1-15.0 | 34 | 0 | 0 | 18 | 21 | 60 | 134 |
| 15.1-20.0 | 2 | 0 | 3 | 4 | 78 | 11 | 97 |
| 20.1-25.0 | 91 | 27 | 2 | 28 | 9 | 349 | 507 |
| 25.1-28.0 | 68 | 15 | 3 | 4 | 23 | 117 | 231 |
| 28.1-31.0 | 68 | 38 | 23 | 15 | 75 | 34 | 262 |
| 31.1-34.0 | 295 | 3 | 58 | 130 | 11 | 1 | 499 |
| 34.1-37.0 | 502 | 23 | 82 | 43 | 2 | 0 | 653 |
| 37.1-40.0 | 327 | 54 | 3 | 0 | (s) | (s) | 385 |
| 40.1-44.0 | 229 | 8 | 0 | 1 | 0 | (s) | 237 |
| 44.1 & over | 201 | 2 | 0 | 0 | 0 | (s) | 204 |
| Total | 1,857 | 170 | 189 | 243 | 222 | 721 | 3,402 |

¹Gross imports, including shipments to the Strategic Petroleum Reserve.

(s) = Less than 500 barrels per day.

Note: All data are preliminary. Total may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-814.

Table 3. Petroleum Product Imports,¹ 1977-1984
(Thousand Barrels per Day)

| | Residual Fuel Oil | Finished Motor Gasoline ² | Distillate Fuel Oil | Unfinished Oils | LPG's | Other ³ | Total |
|------------|----------------------|--|------------------------|--------------------|-------|--------------------|-------|
| 1977 | 1,359 | 217 | 250 | 31 | 161 | 174 | 2,193 |
| 1978 | 1,355 | 190 | 173 | 27 | 123 | 139 | 2,008 |
| 1979 | 1,151 | 181 | 193 | 59 | 217 | 136 | 1,937 |
| 1980 | 939 | 140 | 142 | 55 | 216 | 155 | 1,646 |
| 1981 | 800 | 157 | 173 | 112 | 244 | 114 | 1,599 |
| 1982 | 776 | 197 | 93 | 174 | 226 | 160 | 1,625 |
| 1983 | 699 | 247 | 174 | 234 | 190 | 177 | 1,722 |
| 1984 | 674 | 291 | 270 | 230 | 195 | 319 | 1,979 |

¹Gross imports of petroleum products.

²Beginning in 1981, excludes blending components.

³Includes gasoline blending components, pentanes plus, other hydrocarbons, and alcohol.

Note: All 1984 data are preliminary. Total may not equal sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Annual*, 1981 through 1983, DOE/EIA-0341, and precedent publications, and *Petroleum Supply Monthly*, December 1984, DOE/EIA-0109(84/12).

Gross imports of petroleum products have increased steadily during the last 3 years. The 1984 average of 2.0 million barrels per day was the highest since 1978 (Table 3), when domestic demand peaked at 18.8 million barrels per day. In 1984, gross imports were 15 percent above the previous year's level as a result of higher demand for most major petroleum products (except residual fuel oils), weak product prices, and a depressed domestic refining industry that operated at low utilization rates and shut down inefficient plants. U.S. refineries operated at about 76 percent of capacity during 1984,^a compared with 92 percent in 1977.^b

Residual Fuel Oil Imports Declining

While imports of most petroleum products increased in 1984, gross imports of residual fuel oil fell to 0.7 million barrels per day. This import level is about half that for 1977, reflecting the downturn in demand for these heavy fuels. Domestic demand for residual fuel oil fell to 1.4 million barrels per day during 1984, the seventh consecutive yearly decline. The decline is largely the result of displacements by coal and other fuels in the electric power industry.

Gross imports accounted for 49 percent of residual fuel oil product supplied in 1984, 5 percent more than in 1977. Amerada Hess Corp., Exxon Corp., and New England Petroleum Corp. were the three leading importers of residual fuel oils during 1984. Together they accounted for 40 percent of the imports of these heavy fuels.

The three leading suppliers of residual fuel oils to U.S. consumers were located in the Western Hemisphere: the U.S. Virgin Islands, the Netherlands Antilles, and Venezuela. The combined shipments from these areas accounted for more than 50 percent of the 1984 U.S. residual fuel oil imports, primarily for consumption along the East Coast (PAD District I).

Motor Gasoline Imports Rising

Gross imports of gasoline increased for the fourth consecutive year and accounted for 4 percent of the 6.7 mil-

lion-barrel-per-day domestic demand for motor gasoline in 1984. The increase was in response to higher demand for motor gasoline as economic conditions improved in the United States and abundant supplies of this fuel were available from excess production by foreign refineries. More than half of the 0.3 million barrels per day of finished motor gasoline imported in 1984 came from nearby Western Hemisphere refiners, mainly in Venezuela and the U.S. Virgin Islands.

Amerada Hess Corp., Northville Industries, and Apex Oil Co. were the leading importers of motor gasoline in 1984, with most of the gasoline imported along the East Coast. Only about 15 percent of the total volume imported was purchased by companies in the Central and Western States.

Distillate Fuel Oil Imports Increasing

Gross imports of distillate fuel oils during 1984 averaged 0.3 million barrels per day, the highest level since 1974 and an increase of 55 percent from 1983. The surge in imports was attributed mainly to increases in heating oil demand associated with very cold weather early in 1984 and to increases in demand for diesel fuels. Although domestic refiners increased production of distillates in response to the higher level of demand, they relied mainly on imports to satisfy the additional requirements for these fuels. Distillate fuel oil products supplied averaged 2.8 million barrels per day during 1984, and gross imports accounted for 9 percent of the total.

Most of the imported distillates came from Western Hemisphere refineries, and more than 90 percent of the oils were purchased by consumers along the East Coast (PAD District I). Amerada Hess Corp., Northville Industries, and Coastal Corp. were the dominant importers of distillate fuel oils, accounting for one out of every three barrels imported during 1984.

^aPreliminary number calculated from Energy Information Administration, *Petroleum Supply Monthly*, January through December 1984, DOE/EIA-0109(84/1-12).

^bEnergy Information Administration, *Annual Energy Review*, 1983, DOE/EIA-0384(83).

Imports of Unfinished Oils Slowing

Gross imports of unfinished oils have grown considerably in the last 7 years, averaging 0.2 million barrels per day in 1984, nearly eight times larger than in 1977, but 2 percent below the 1983 level. The drop in 1984 followed 3 continuous years of growth. The volumes of unfinished oils imported in PAD District III averaged 0.2 million barrels per day during 1984, up significantly from 3,000 barrels per day in 1977.

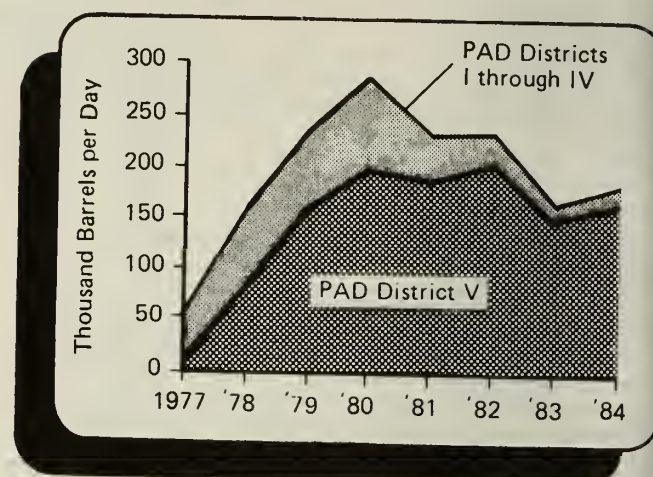
Two-thirds of the imports of unfinished oils in 1984 were into PAD District III, and most of the remainder were into PAD District I. Citgo Petroleum Corp., Exxon Corp. and Amerada Hess Corp. were the leading importers of unfinished oils during 1984. Together these three companies accounted for more than half of all U.S. imports of unfinished oils. Three-fourths of the imports in 1984 were from Western Hemisphere countries.

Imports of Other Products Rising

During 1984, gross imports of liquefied petroleum gases (LPG's) averaged 0.2 million barrels per day, an increase of 3 percent from 1 year earlier, and 21 percent higher than in 1977. Demand averaged 1.6 million barrels per day during 1984, up 4 percent from 1983. Gross imports satisfied 12 percent of the demand in 1984. Supply sources included Canada, Mexico, and other countries. Most LPG imports were destined for use in PAD District II.

Gross imports of all other petroleum products (including gasoline blending components, pentanes plus, other hydrocarbons, and alcohol) averaged 0.3 million barrels per day during 1984, nearly double the comparable 1983 level and the third consecutive yearly increase. Imports of gasoline blending components averaged 79,000 barrels per day during 1984, more than three times the level in 1981 when the Energy Information Administration began collecting these data. The higher levels of imports of the gasoline blending components and other petroleum products resulted from increasing demand for these products as economic conditions improved.

Figure 3. Exports of Crude Oil, by PAD District, 1977-1984



Sources: Energy Information Administration, "Petroleum Supply Annual," 1981 through 1983, DOE/EIA-0340, and precedent publications, and "Petroleum Supply Monthly," December 1984, DOE/EIA-0109(84/12).

Crude Oil Exports Increasing

During 1984, exports of crude oils to U.S. possessions and exchanged on a "barrel-for-barrel" basis with adjacent countries,¹⁰ averaged 0.2 million barrels per day, an increase of 10 percent from 1 year earlier (Table 4). Exports to the U.S. Virgin Islands increased 16 percent from the 1983 level and accounted for more than half of all U.S. exports of crude oil. The volumes of crude oils exchanged with Canadian companies has fallen steadily from the 1980 high of 84,000 barrels per day to the 1984 level of 16,000 barrels per day. More than 90 percent of the U.S. crude oil shipments to foreign destinations in 1984 were from PAD District V (Figure 3).

¹⁰See footnote 5.

Table 4. Crude Oil Exports, 1977-1984
(Thousand Barrels per Day)

| Destination | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 |
|---------------------------|------|------|------|------|------|------|------|------|
| Canada | 45 | 79 | 71 | 84 | 45 | 36 | 19 | 16 |
| Puerto Rico | 1 | 38 | 163 | 69 | 54 | 72 | 29 | 22 |
| U.S. Virgin Islands | 4 | 41 | | 129 | 124 | 113 | 98 | 114 |
| Other ² | (s) | 0 | | 6 | 4 | 15 | 19 | 30 |
| Total | 50 | 158 | 235 | 287 | 228 | 236 | 164 | 181 |

¹Includes shipments to Puerto Rico, U.S. Virgin Islands, and Hawaiian Foreign Trade Zone.

²Guam and Hawaiian Foreign Trade Zone.

(s) = Less than 500 barrels per day.

Note: All 1984 data are preliminary. Total may not equal sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Annual*, 1981 through 1983, DOE/EIA-0340, and precedent publications, and *Petroleum Supply Monthly*, December 1984, DOE/EIA-0109(84-12).

Exports of Petroleum Products Declining

Total exports of refined petroleum products declined to an average of 0.5 million barrels per day during 1984, down 6 percent from 1 year earlier (Table 5). The current downtrend follows the steady increase in exports of these feedstocks and fuels through the late 1970's and early 1980's that peaked at 0.6 million barrels per day in 1982.

Petroleum companies in PAD Districts III and V accounted for the majority of the overseas sales; only minor quantities were exported from the remaining regions of the United States (Figure 4). Most of the decline in 1984 exports occurred in PAD District III.

Japan, the Netherlands, and Italy were the leading importers of U.S. petroleum coke during 1984. The leading destinations for U.S. shipments of residual fuel oils

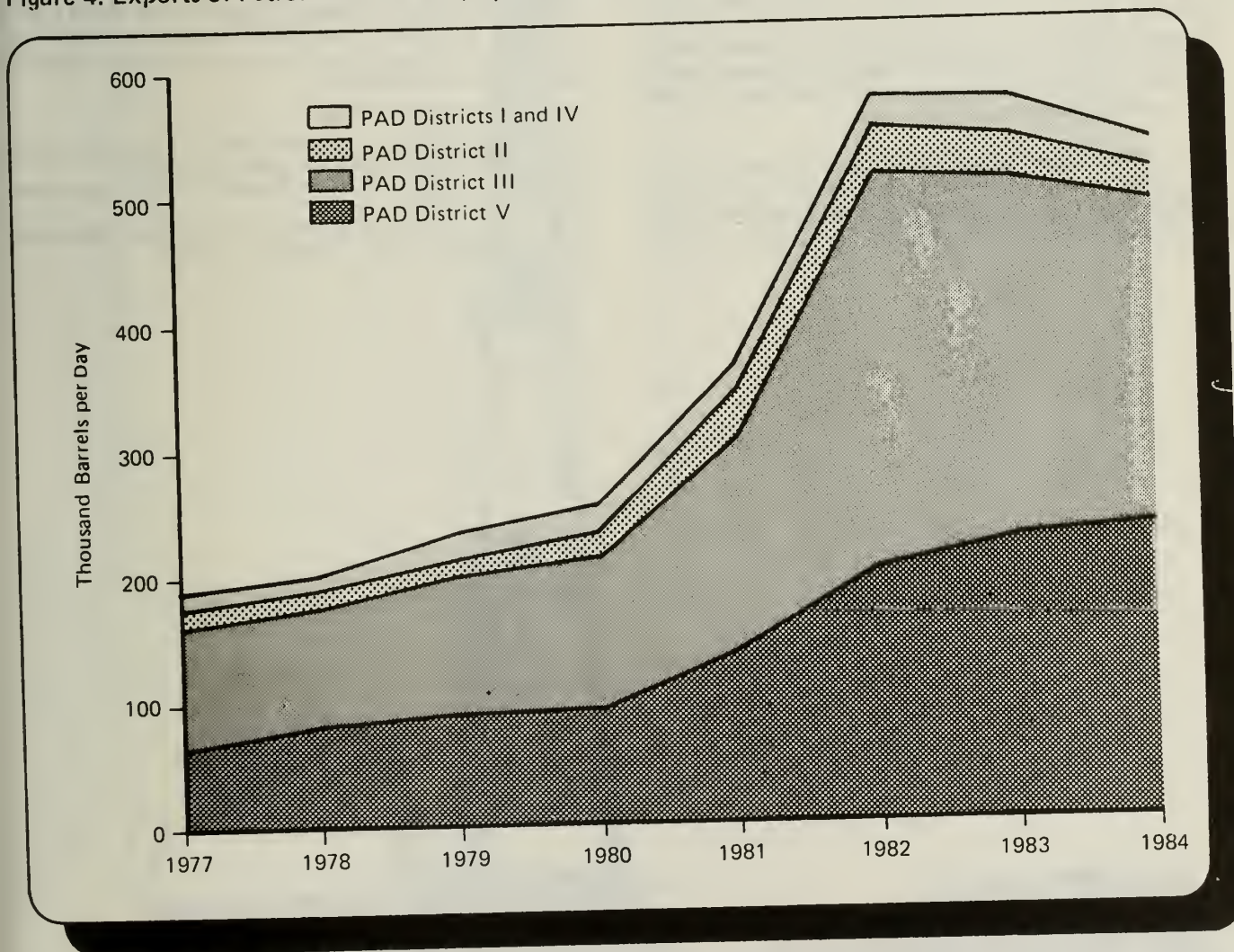
were Japan, the U.S. Virgin Islands, and the Netherlands Antilles.

Outlook

While significant changes have occurred in quantities and qualities of net imports of petroleum during recent years, foreign supplies of petroleum have been important in meeting U.S. energy demand. Net imports of petroleum were at their highest level in 2 years during 1984. They are expected to continue as a major source of supply for U.S. energy consumers, but to decline slightly in 1985 to about 4.6 million barrels per day as continued energy conservation, efficiency improvements, and fuel switching combine with slower economic growth to reduce petroleum demand.¹¹

¹¹Energy Information Administration, *Short-Term Energy Outlook*, Quarterly Projections, January 1985, DOE/EIA-0202 (85/1Q).

Figure 4. Exports of Petroleum Products, by PAD District, 1977-1984



Sources: Energy Information Administration, "Petroleum Supply Annual," 1981 through 1983, DOE/EIA-0340, and precedent publications, and "Petroleum Supply Monthly," December 1984, DOE/EIA-0109(84/12).

Table 5. Petroleum Product Exports, 1977-1984
(Thousand Barrels per Day)

| | Distillate Fuel Oil | LPG's | Petroleum Coke | Residual Fuel Oil | Other | Total |
|-----------|------------------------|-------|-------------------|----------------------|-------|-------|
| 1977..... | 1 | 18 | 102 | 6 | 66 | 193 |
| 1978..... | 3 | 20 | 111 | 13 | 57 | 204 |
| 1979..... | 3 | 15 | 146 | 9 | 64 | 237 |
| 1980..... | 3 | 21 | 136 | 33 | 65 | 258 |
| 1981..... | 5 | 42 | 138 | 118 | 64 | 367 |
| 1982..... | 74 | 65 | 156 | 209 | 75 | 579 |
| 1983..... | 64 | 73 | 195 | 185 | 58 | 575 |
| 1984..... | 51 | 48 | 193 | 190 | 58 | 541 |

Note: All 1984 data are preliminary. Total may not equal sum of components due to independent rounding.

Source: Energy Information Administration, *Petroleum Supply Annual*, 1981 through 1983, DOE/EIA-0340, and precedent publications, and *Petroleum Supply Monthly*, December 1984, DOE/EIA-0109(84/12).

Crude oil price reductions by OPEC members early in 1985 could result in higher U.S. imports of crude oils from these countries during the year relative to imports from various non-OPEC sources. However, these pricing actions are not expected to increase the overall level of crude oil imports. OPEC reportedly will continue to restrict the level of production to 16 million barrels per day during 1985, but apparently members will rely on market conditions to determine selling prices for the various crude oils exported.¹²

A number of new foreign petroleum export refineries are scheduled to begin production in the near future. It is estimated that the OPEC export refineries may reach production rates as high as 9 million barrels per day by

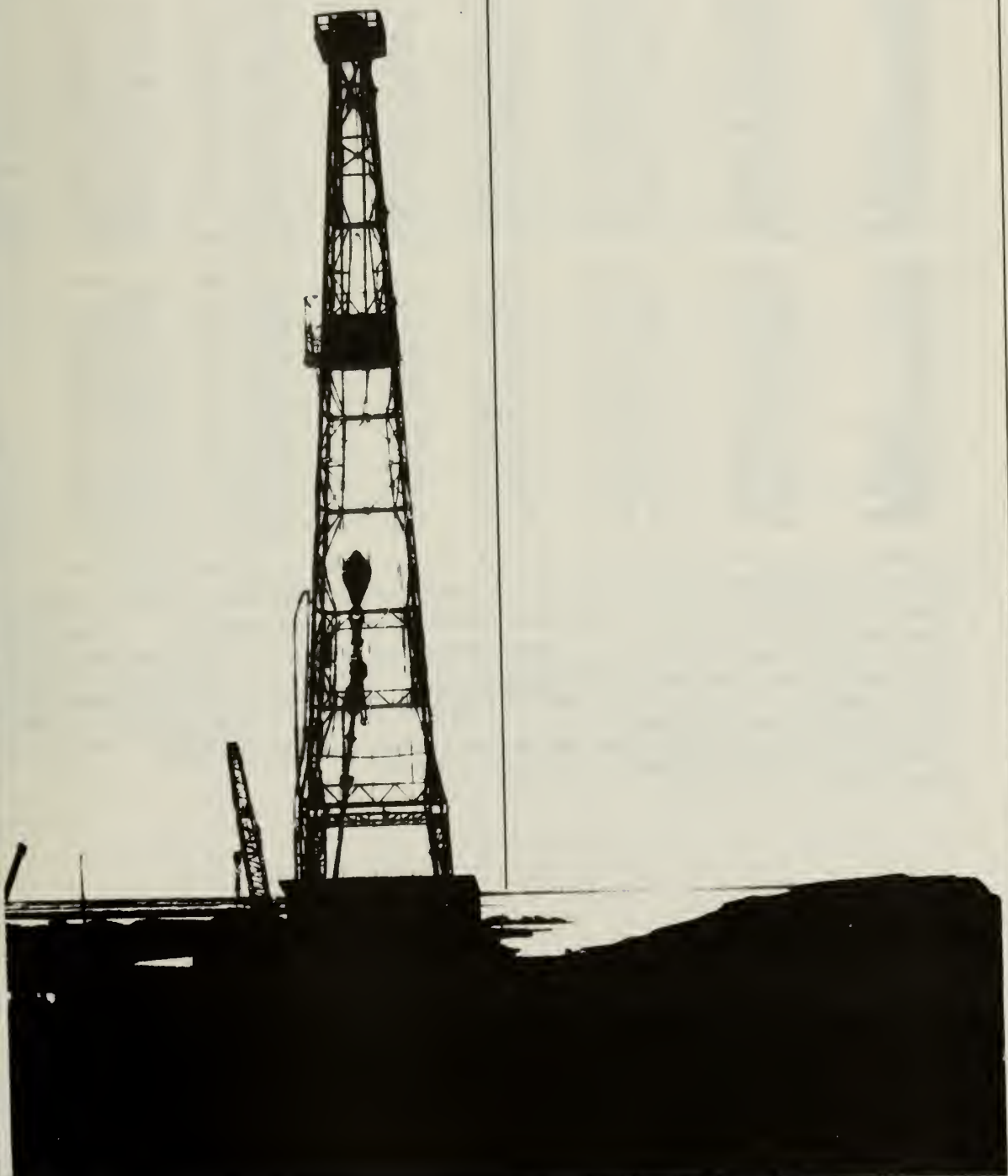
1990,¹³ and at least 2 million barrels per day will be exportable surplus.¹⁴ Most of the products from these refineries may be destined for Asian and European markets. However, as distillate fuel oils, motor gasolines, and other light petroleum products from these plants become available to the United States and other consuming countries, there may be significant impact on the U.S. refining industry.

¹²"OPEC Decides to Lower Prices, Discard \$29-a-Barrel Benchmark," *The Wall Street Journal*, January 31, 1985.

¹³OPEC Refineries Stir 2 U.S. Studies, *The New York Times*, November 14, 1984.

¹⁴Arab Product Drive Seen Likely to Peak Before 1990, *Petroleum Intelligence Weekly*, December 10, 1984.

Summary Statistics



Crude Oil¹ and Petroleum Products Overview

| | | Field Production | | | Stock Withdrawal ² | | | Ending Stocks ³ |
|------|-----------|-----------------------------|-----------|------------------------------|-------------------------------|--------------------|-----------------------------|---|
| | | Total Domestic ⁴ | Crude Oil | Natural Gas Plant Production | Crude Oil ⁵ | Petroleum Products | Petroleum Products Supplied | Crude Oil ⁵ and Petroleum Products |
| | | Thousand Barrels per Day | | | | | | |
| | | | | | | | | Million Barrels |
| 1973 | Average | 10,975 | 9,208 | 1,738 | 11 | -146 | 17,308 | 1,008 |
| 1974 | Average | 10,498 | 8,774 | 1,688 | -62 | -117 | 16,653 | 1,074 |
| 1975 | Average | 10,045 | 8,375 | 1,633 | ⁸ -17 | ⁸ -145 | 16,322 | ⁸ 1,133 |
| 1976 | Average | 9,774 | 8,132 | 1,603 | -39 | 96 | 17,461 | 1,112 |
| 1977 | Average | 9,913 | 8,245 | 1,618 | -170 | -378 | 18,431 | 1,312 |
| 1978 | Average | 10,328 | 8,707 | 1,567 | -78 | 172 | 18,847 | 1,278 |
| 1979 | Average | 10,179 | 8,552 | 1,584 | -148 | -25 | 18,513 | 1,341 |
| 1980 | Average | 10,214 | 8,597 | 1,573 | -98 | -42 | 17,056 | ⁸ 1,392 |
| 1981 | Average | 10,230 | 8,572 | 1,609 | ⁸ -290 | ⁸ 130 | 16,058 | 1,484 |
| 1982 | Average | 10,252 | 8,649 | 1,550 | -136 | 283 | 15,296 | ⁸ 1,430 |
| 1983 | January | 10,331 | 8,697 | 1,580 | ⁸ -499 | ⁸ 772 | 14,722 | 1,452 |
| | February | 10,388 | 8,758 | 1,575 | -320 | 1,113 | 14,792 | 1,430 |
| | March | 10,279 | 8,700 | 1,541 | 83 | 1,810 | 15,541 | 1,372 |
| | April | 10,322 | 8,776 | 1,506 | -402 | 308 | 14,692 | 1,374 |
| | May | 10,190 | 8,631 | 1,493 | -15 | -602 | 14,505 | 1,394 |
| | June | 10,261 | 8,667 | 1,523 | -122 | -276 | 15,289 | 1,405 |
| | July | 10,228 | 8,636 | 1,539 | 233 | -909 | 15,019 | 1,426 |
| | August | 10,284 | 8,679 | 1,562 | -796 | -271 | 15,480 | 1,460 |
| | September | 10,447 | 8,784 | 1,602 | -239 | -621 | 15,506 | 1,485 |
| | October | 10,434 | 8,771 | 1,604 | -274 | -442 | 14,962 | 1,508 |
| | November | 10,461 | 8,770 | 1,641 | 114 | -182 | 15,500 | 1,510 |
| | December | 9,983 | 8,397 | 1,544 | -329 | 2,133 | 16,726 | 1,454 |
| | Average | 10,299 | 8,688 | 1,559 | -214 | 234 | 15,231 | |
| 1984 | January | 10,282 | 8,659 | 1,585 | -342 | 1,085 | 16,726 | 1,430 |
| | February | 10,410 | 8,726 | 1,629 | 186 | -1,353 | 15,389 | 1,464 |
| | March | 10,354 | 8,718 | 1,588 | -2 | 643 | 16,017 | 1,444 |
| | April | 10,347 | 8,688 | 1,616 | -565 | -128 | 15,484 | 1,465 |
| | May | 10,415 | 8,752 | 1,610 | -616 | -422 | 15,566 | 1,497 |
| | June | 10,398 | 8,743 | 1,612 | -95 | -77 | 15,687 | 1,502 |
| | July | 10,487 | 8,769 | 1,649 | -184 | -184 | 15,547 | 1,514 |
| | August | 10,476 | 8,781 | 1,663 | 250 | 185 | 16,130 | 1,500 |
| | September | 10,464 | 8,759 | 1,666 | 266 | -736 | 15,315 | 1,514 |
| | October | 10,549 | 8,847 | 1,648 | -798 | -211 | 15,631 | 1,545 |
| | November | 10,558 | 8,846 | 1,680 | -166 | -176 | 15,602 | 1,556 |
| | December* | 10,478 | 8,797 | 1,649 | R -255 | R 275 | R 15,353 | R 1,555 |
| | Average | 10,435 | 8,757 | 1,633 | -196 | -83 | 15,708 | |
| 1985 | January** | NA | 8,929 | NA | 133 | 1,407 | 16,193 | 1,495 |

¹ Includes lease condensate.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Stocks are totals as of end of period.

⁴ Includes crude oil, natural gas plant production, other hydrocarbons, and alcohol.

⁵ Includes stocks located in the Strategic Petroleum Reserve.

⁶ Includes crude oil for storage in the Strategic Petroleum Reserve.

⁷ Net Imports equal Imports minus Exports.

⁸ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

Footnotes continued on following page.

Crude Oil¹ and Petroleum Products Overview (continued)

| Crude Oil ¹ and Petroleum Products Overview (continued) | | | | | | | | | |
|--|-----------|-----------|------------------------|--------------------|---------|-----------|--------------------|-------|--------------------------|
| | | Imports | | | Exports | | | | |
| | | Total | Crude Oil ⁶ | Petroleum Products | Total | Crude Oil | Petroleum Products | | Net ⁷ Imports |
| | | | | | | | | | |
| 1973 | Average | 6,256 | 3,244 | 3,012 | 231 | 2 | 229 | 6,025 | |
| 1974 | Average | 6,112 | 3,477 | 2,635 | 221 | 3 | 218 | 5,892 | |
| 1975 | Average | 6,056 | 4,105 | 1,951 | 209 | 6 | 204 | 5,846 | |
| 1976 | Average | 7,313 | 5,287 | 2,026 | 223 | 8 | 215 | 7,090 | |
| 1977 | Average | 8,807 | 6,615 | 2,193 | 243 | 50 | 193 | 8,565 | |
| 1978 | Average | 8,363 | 6,356 | 2,008 | 362 | 158 | 204 | 8,002 | |
| 1979 | Average | 8,456 | 6,519 | 1,937 | 472 | 235 | 237 | 7,984 | |
| 1980 | Average | 6,909 | 5,263 | 1,646 | 544 | 287 | 258 | 6,365 | |
| 1981 | Average | 5,996 | 4,396 | 1,599 | 595 | 228 | 367 | 5,401 | |
| 1982 | Average | 5,113 | 3,488 | 1,625 | 815 | 236 | 579 | 4,298 | |
| 1983 | January | 4,438 | 2,964 | 1,474 | 973 | 117 | 856 | 3,464 | |
| | February | 3,726 | 2,267 | 1,459 | 865 | 262 | 603 | 2,861 | |
| | March | 3,690 | 2,290 | 1,400 | 801 | 174 | 627 | 2,889 | |
| | April | 4,727 | 3,118 | 1,609 | 809 | 88 | 721 | 3,918 | |
| | May | 5,089 | 3,360 | 1,729 | 848 | 280 | 568 | 4,241 | |
| | June | 5,326 | 3,577 | 1,749 | 774 | 144 | 630 | 4,552 | |
| | July | 5,741 | 3,871 | 1,870 | 571 | 145 | 426 | 5,170 | |
| | August | 6,159 | 4,227 | 1,933 | 663 | 172 | 491 | 5,496 | |
| | September | 6,129 | 4,210 | 1,919 | 684 | 177 | 507 | 5,445 | |
| | October | 5,258 | 3,446 | 1,812 | 576 | 140 | 436 | 4,682 | |
| | November | 5,210 | 3,337 | 1,873 | 679 | 186 | 494 | 4,531 | |
| | December | 5,033 | 3,213 | 1,820 | 639 | 95 | 544 | 4,394 | |
| | Average | 5,051 | 3,329 | 1,722 | 739 | 164 | 575 | 4,312 | |
| | 1984 | January | 5,347 | 3,029 | 2,318 | 575 | 153 | 422 | 4,772 |
| February | | 5,643 | 2,952 | 2,691 | 582 | 185 | 397 | 5,061 | |
| March | | 5,253 | 3,455 | 1,798 | 840 | 236 | 605 | 4,413 | |
| April | | 5,319 | 3,417 | 1,902 | 655 | 172 | 483 | 4,664 | |
| May | | 5,916 | 3,927 | 1,989 | 766 | 219 | 548 | 5,150 | |
| June | | 5,304 | 3,410 | 1,893 | 864 | 222 | 642 | 4,440 | |
| July | | 5,387 | 3,646 | 1,741 | 536 | 108 | 429 | 4,851 | |
| August | | 5,036 | 3,244 | 1,793 | 732 | 190 | 542 | 4,305 | |
| September | | 5,173 | 3,294 | 1,880 | 664 | 162 | 502 | 4,510 | |
| October | | 5,767 | 3,751 | 2,016 | 599 | 141 | 458 | 5,167 | |
| November | | 5,534 | 3,552 | 1,983 | 854 | 202 | 652 | 4,680 | |
| December* | | R 4,909 | R 3,126 | R 1,783 | 986 | 185 | 801 | 3,924 | |
| Average | | 5,381 | 3,402 | 1,979 | 722 | 181 | 541 | 4,660 | |
| 1985 | | January** | 4,369 | 2,924 | 1,445 | NA | NA | NA | NA |

Footnotes continued.

* See Explanatory Note 9.1.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available.

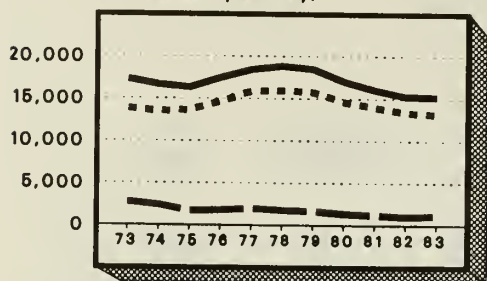
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Petroleum Overview

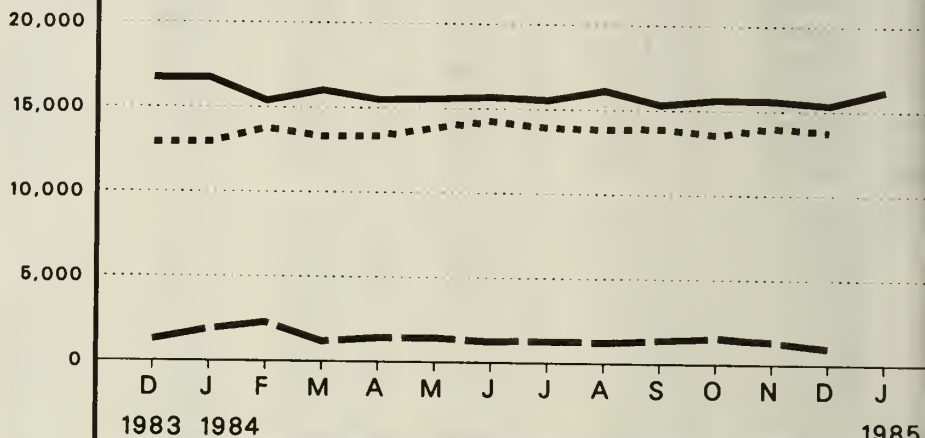
(Thousand Barrels per Day)



Annual

Legend

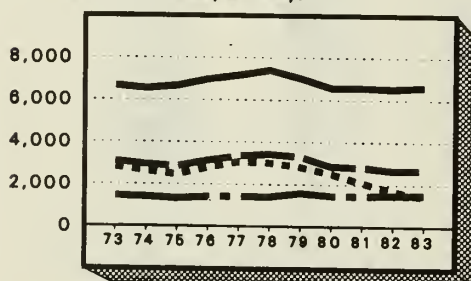
Petroleum Product Supplied
Refinery Production
Net Petroleum Product Imports



Month

Petroleum Products Supplied

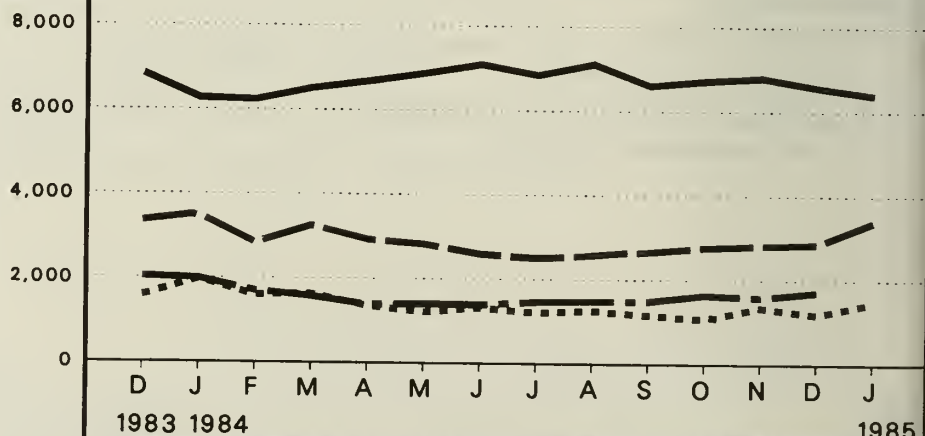
(Thousand Barrels per Day)



Annual

Legend

Motor Gasoline
Distillate Fuel Oil
Residual Fuel Oil
LPG¹

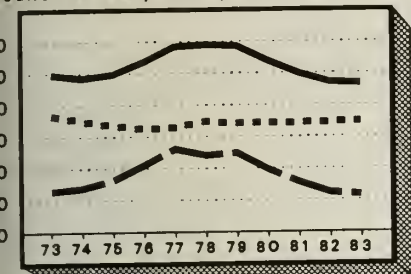


Month

¹ Liquefied Petroleum Gases

Oil Supply and Disposition

(in Thousand Barrels per Day)



Legend

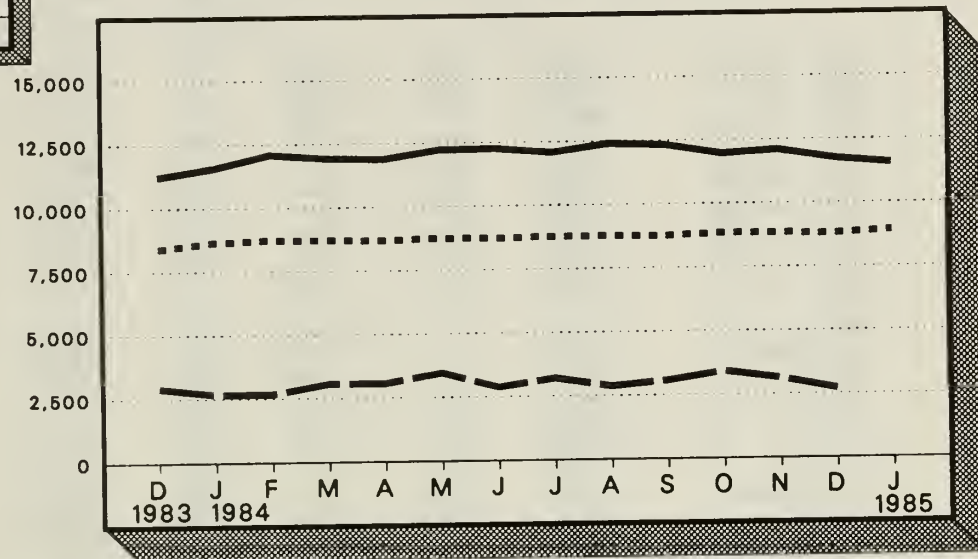
Refinery Inputs

Domestic Crude Oil Production

Net Imports¹

Annual

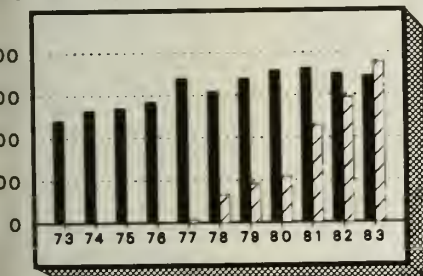
Includes SPR Imports



Monthly

Crude Oil Ending Stocks

(in Million Barrels)



Legend

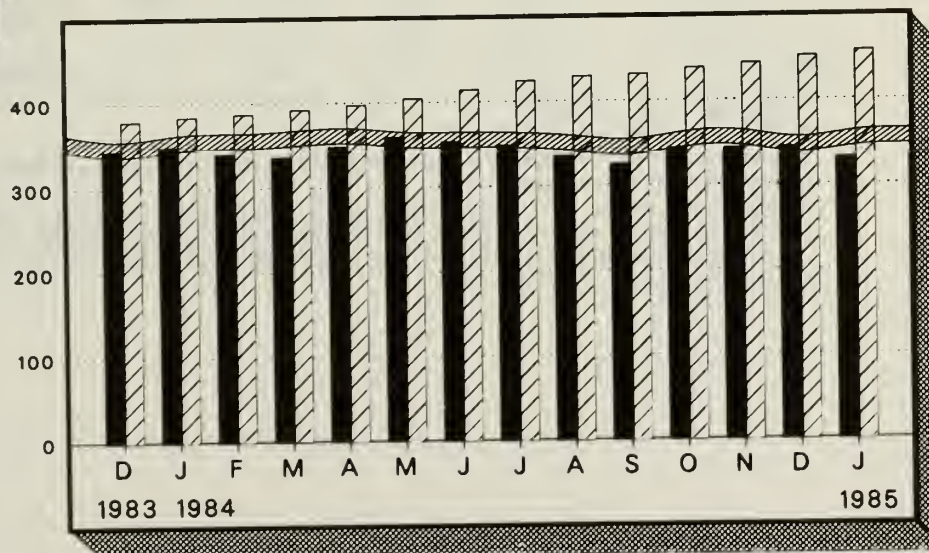
Other Primary

SPR

Average Stock Range¹

Annual

Level and width of Average Stock Range for other primary crude oil is based on 10 years of data, Jul. 81-Jun. 84. See Explanatory Note 6.



Monthly

Crude Oil¹ Supply and Disposition

| | | Supply | | | | | | |
|------|-----------|--------------------------|---------|---------|------------------|---------|-------------------------------|--------------------------------------|
| | | Field Production | | Imports | | | Stock Withdrawal ³ | |
| | | Total Domestic | Alaskan | Total | SPR ⁴ | Other | SPR ⁴ | Other |
| | | Thousand Barrels per Day | | | | | | |
| | | | | | | | | Unac- counted for Crude Oil |
| 1973 | Average | 9,208 | 198 | 3,244 | | 3,244 | 11 | 3 |
| 1974 | Average | 8,774 | 193 | 3,477 | | 3,477 | -62 | -25 |
| 1975 | Average | 8,375 | 191 | 4,105 | | 4,105 | -17 | 17 |
| 1976 | Average | 8,132 | 173 | 5,287 | | 5,287 | -39 | 77 |
| 1977 | Average | 8,245 | 464 | 6,615 | 21 | 6,594 | -20 | -6 |
| 1978 | Average | 8,707 | 1,229 | 6,356 | 162 | 6,195 | -163 | -57 |
| 1979 | Average | 8,552 | 1,401 | 6,519 | 67 | 6,452 | -67 | -11 |
| 1980 | Average | 8,597 | 1,617 | 5,263 | 44 | 5,219 | -45 | 34 |
| 1981 | Average | 8,572 | 1,609 | 4,396 | 256 | 4,141 | -336 | 83 |
| 1982 | Average | 8,649 | 1,696 | 3,488 | 165 | 3,323 | -174 | 71 |
| 1983 | January | 8,697 | 1,732 | 2,964 | 219 | 2,746 | -219 | 170 |
| | February | 8,758 | 1,717 | 2,267 | 197 | 2,070 | -197 | 262 |
| | March | 8,700 | 1,732 | 2,290 | 201 | 2,089 | -184 | 31 |
| | April | 8,776 | 1,721 | 3,118 | 205 | 2,913 | -197 | 98 |
| | May | 8,631 | 1,662 | 3,360 | 289 | 3,071 | -293 | 169 |
| | June | 8,667 | 1,687 | 3,577 | 190 | 3,387 | -188 | 370 |
| | July | 8,636 | 1,715 | 3,871 | 274 | 3,597 | -264 | -167 |
| | August | 8,679 | 1,697 | 4,227 | 350 | 3,876 | -358 | 281 |
| | September | 8,784 | 1,738 | 4,210 | 309 | 3,901 | -307 | -30 |
| | October | 8,771 | 1,733 | 3,446 | 202 | 3,244 | -201 | 44 |
| | November | 8,770 | 1,720 | 3,337 | 171 | 3,166 | -135 | 34 |
| | December | 8,397 | 1,711 | 3,213 | 193 | 3,020 | -252 | 117 |
| | Average | 8,688 | 1,714 | 3,329 | 234 | 3,096 | -234 | 114 |
| 1984 | January | 8,659 | 1,741 | 3,029 | 200 | 2,829 | -173 | 451 |
| | February | 8,726 | 1,740 | 2,952 | 85 | 2,868 | -96 | 487 |
| | March | 8,718 | 1,740 | 3,455 | 148 | 3,307 | -147 | 66 |
| | April | 8,688 | 1,725 | 3,417 | 170 | 3,247 | -170 | 590 |
| | May | 8,752 | 1,793 | 3,927 | 246 | 3,681 | -245 | 463 |
| | June | 8,743 | 1,792 | 3,410 | 309 | 3,101 | -309 | 490 |
| | July | 8,769 | 1,769 | 3,646 | 329 | 3,317 | -328 | 25 |
| | August | 8,781 | 1,725 | 3,244 | 180 | 3,064 | -179 | 383 |
| | September | 8,759 | 1,725 | 3,294 | 53 | 3,240 | -53 | 234 |
| | October | 8,847 | 1,708 | 3,751 | 187 | 3,564 | -231 | 385 |
| | November | 8,846 | 1,707 | 3,552 | 219 | 3,332 | -160 | 135 |
| | December* | 8,797 | 1,658 | R 3,126 | R 229 | R 2,897 | R -241 | 340 |
| | Average | 8,757 | 1,735 | 3,402 | 197 | 3,206 | -195 | 336 |
| 1985 | January** | 8,929 | 1,788 | 2,924 | 265 | 2,658 | -236 | NA |

¹ Includes lease condensate.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Strategic Petroleum Reserve.

⁵ Beginning in January 1983, crude oil used directly as fuel is shown as product supplied.

⁶ Stocks of Alaskan crude oil in transit were included beginning in January 1981. Stock withdrawals are calculated using new basis stock levels. See Explanatory Notes 10 and 11.

Footnotes continued on following page.

Crude Oil¹ Supply and Disposition (continued)

| | | Supply | Disposition | | | | Ending Stocks ² | | |
|------|-----------|----------------------------------|------------------|-----------------|---------|--------------------------------|----------------------------|------------------|------------------|
| | | Crude Used Directly ⁵ | Crude Losses | Refinery Inputs | Exports | Products Supplied ⁵ | Total Crude Oil | SPR ⁴ | Other Primary |
| | | Thousand Barrels per Day | | | | | Million Barrels | | |
| 1973 | Average | -19 | 13 | 12,431 | 2 | NA | 242 | | 242 |
| 1974 | Average | -15 | 13 | 12,133 | 3 | NA | 265 | | 265 |
| 1975 | Average | -17 | 13 | 12,442 | 6 | NA | 271 | | 271 |
| 1976 | Average | -18 | 15 | 13,416 | 8 | NA | 285 | | 285 |
| 1977 | Average | -14 | 16 | 14,602 | 50 | NA | 348 | 7 | 340 |
| 1978 | Average | -14 | 16 | 14,739 | 158 | NA | 376 | 67 | 309 |
| 1979 | Average | -13 | 16 | 14,648 | 235 | NA | 430 | 91 | 339 |
| 1980 | Average | -13 | 15 | 13,481 | 287 | NA | ⁶ 466 | 108 | ⁶ 358 |
| 1981 | Average | -58 | 5 | 12,470 | 228 | NA | 594 | 230 | 363 |
| 1982 | Average | -59 | 3 | 11,774 | 236 | NA | ⁶ 644 | 294 | 350 |
| 1983 | January | NA | 2 | 11,143 | 117 | 71 | 660 | 301 | 360 |
| | February | NA | 3 | 10,633 | 262 | 71 | 669 | 306 | 363 |
| | March | NA | 2 | 10,859 | 174 | 70 | 667 | 312 | 355 |
| | April | NA | 2 | 11,433 | 88 | 68 | 679 | 318 | 361 |
| | May | NA | 1 | 11,800 | 280 | 63 | 679 | 327 | 353 |
| | June | NA | (^s) | 12,284 | 144 | 64 | 683 | 332 | 351 |
| | July | NA | 2 | 12,360 | 145 | 65 | 676 | 341 | 335 |
| | August | NA | 1 | 12,152 | 172 | 64 | 700 | 352 | 349 |
| | September | NA | 1 | 12,482 | 177 | 66 | 708 | 361 | 347 |
| | October | NA | 1 | 11,782 | 140 | 63 | 716 | 367 | 349 |
| | November | NA | 2 | 12,004 | 186 | 64 | 713 | 371 | 341 |
| | December | NA | 1 | 11,234 | 95 | 67 | 723 | 379 | 344 |
| | Average | NA | 2 | 11,685 | 164 | 66 | | | |
| 1984 | January | NA | 1 | 11,579 | 153 | 64 | 733 | 384 | 348 |
| | February | NA | 1 | 12,100 | 185 | 65 | 727 | 387 | 340 |
| | March | NA | 2 | 11,936 | 236 | 62 | 728 | 392 | 336 |
| | April | NA | (^s) | 11,893 | 172 | 64 | 744 | 397 | 348 |
| | May | NA | 2 | 12,243 | 219 | 62 | 764 | 404 | 359 |
| | June | NA | 2 | 12,263 | 222 | 61 | 766 | 414 | 353 |
| | July | NA | 1 | 12,087 | 108 | 60 | 772 | 424 | 348 |
| | August | NA | 1 | 12,403 | 190 | 63 | 764 | 429 | 335 |
| | September | NA | -2 | 12,327 | 162 | 66 | 756 | 431 | 325 |
| | October | NA | -1 | 11,976 | 141 | 69 | 781 | 438 | 343 |
| | November | NA | -1 | 12,103 | 202 | 62 | 786 | 443 | 343 |
| | December* | NA | (^s) | R 11,758 | 185 | 64 | R 794 | 451 | R 344 |
| | Average | NA | 1 | 12,055 | 181 | 64 | | | |
| 1985 | January** | NA | NA | 11,565 | NA | NA | 788 | 457 | 331 |

Footnotes continued.

* See Explanatory Note 9.2.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (^s) = Less than 500 barrels per day.

(^s) = Less than 500 barrels per day.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Crude Oil and Petroleum Product Imports

| | | Imports from OPEC Sources ¹ | | | | | | | | | |
|------|-----------|--|-------|--------------|----------------------|-----------|------|---------|-----------|-------------------------|------------------------------|
| | | Algeria | Libya | Saudi Arabia | United Arab Emirates | Indonesia | Iran | Nigeria | Venezuela | Other OPEC ² | Total Arab OPEC ³ |
| | | Thousand Barrels per Day | | | | | | | | | |
| 1973 | Average | 136 | 164 | 486 | 71 | 213 | 223 | 459 | 1,135 | 106 | 2,993 |
| 1974 | Average | 190 | 4 | 461 | 74 | 300 | 469 | 713 | 979 | 88 | 3,280 |
| 1975 | Average | 282 | 232 | 715 | 117 | 390 | 280 | 762 | 702 | 122 | 3,601 |
| 1976 | Average | 432 | 453 | 1,230 | 254 | 539 | 298 | 1,025 | 700 | 134 | 5,066 |
| 1977 | Average | 559 | 723 | 1,380 | 335 | 541 | 535 | 1,143 | 690 | 287 | 6,193 |
| 1978 | Average | 649 | 654 | 1,144 | 385 | 573 | 555 | 919 | 645 | 226 | 5,751 |
| 1979 | Average | 636 | 658 | 1,356 | 281 | 420 | 304 | 1,080 | 690 | 212 | 5,637 |
| 1980 | Average | 488 | 554 | 1,261 | 172 | 348 | 9 | 857 | 481 | 130 | 4,300 |
| 1981 | Average | 311 | 319 | 1,129 | 81 | 366 | 0 | 620 | 406 | 90 | 3,323 |
| 1982 | Average | 170 | 26 | 552 | 92 | 248 | 35 | 514 | 412 | 97 | 2,146 |
| 1983 | January | 207 | 0 | 282 | 47 | 255 | 43 | 186 | 337 | 54 | 1,412 |
| | February | 115 | 0 | 214 | 9 | 217 | 0 | 92 | 393 | 28 | 1,068 |
| | March | 63 | 0 | 103 | 0 | 138 | 0 | 121 | 440 | 201 | 1,066 |
| | April | 227 | 0 | 162 | (s) | 210 | 0 | 186 | 523 | 125 | 1,432 |
| | May | 286 | 0 | 122 | 12 | 405 | 37 | 385 | 455 | 69 | 1,771 |
| | June | 300 | 0 | 188 | 40 | 466 | 38 | 467 | 335 | 138 | 1,973 |
| | July | 283 | 0 | 182 | 64 | 464 | 112 | 525 | 434 | 187 | 2,251 |
| | August | 378 | 0 | 448 | 52 | 433 | 213 | 464 | 511 | 230 | 2,728 |
| | September | 423 | 0 | 587 | 21 | 501 | 86 | 324 | 432 | 221 | 2,595 |
| | October | 261 | 0 | 638 | 16 | 368 | 12 | 307 | 337 | 169 | 2,108 |
| | November | 184 | 0 | 545 | 56 | 302 | 21 | 215 | 452 | 135 | 1,910 |
| | December | 144 | 0 | 569 | 45 | 294 | 9 | 329 | 415 | 163 | 1,969 |
| | Average | 240 | 0 | 337 | 30 | 338 | 48 | 302 | 422 | 144 | 1,862 |
| 1984 | January | 242 | 0 | 463 | 114 | 278 | 0 | 243 | 547 | 51 | 1,939 |
| | February | 348 | 0 | 324 | 33 | 267 | 0 | 244 | 481 | 174 | 1,871 |
| | March | 283 | 0 | 307 | 112 | 284 | 67 | 260 | 354 | 127 | 1,792 |
| | April | 280 | 0 | 320 | 95 | 221 | 0 | 288 | 581 | 158 | 1,944 |
| | May | 456 | 0 | 329 | 240 | 480 | 0 | 289 | 621 | 242 | 2,657 |
| | June | 284 | 0 | 411 | 46 | 415 | 0 | 243 | 574 | 139 | 2,112 |
| | July | 332 | 0 | 429 | 112 | 384 | 0 | 204 | 535 | 242 | 2,237 |
| | August | 404 | 0 | 438 | 82 | 281 | 0 | 114 | 487 | 216 | 2,021 |
| | September | 343 | 0 | 159 | 113 | 333 | 17 | 160 | 689 | 147 | 1,961 |
| | October | 333 | 0 | 287 | 114 | 436 | 0 | 208 | 578 | 115 | 2,070 |
| | November | 295 | 0 | 183 | 124 | 409 | 24 | 163 | 536 | 173 | 1,907 |
| | December | 220 | 0 | 210 | 211 | 314 | 12 | 159 | 449 | 174 | 1,750 |
| | Average | 318 | 0 | 322 | 117 | 342 | 10 | 214 | 536 | 163 | 2,023 |

¹ Excludes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

² Includes Ecuador, Gabon, Iraq, Kuwait, and Qatar.

³ Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

Footnotes continued on following page.

Crude Oil and Petroleum Product Imports (continued)

| | | Imports from Non-OPEC Sources ⁴ | | | | | | | | | | |
|------|-----------|--|--------|--------|------------------------------|---------------------------|-------------------|----------------|-------------------|----------------------|----------------------|------------------|
| | | Baha- mas | Canada | Mexico | Nether- lands Antilles | Trinidad and Tobago | United Kingdom | Puerto Rico | Virgin Islands | Other Non OPEC | Total Non OPEC | Total Imports |
| | | Thousand Barrels per Day | | | | | | | | | | |
| 1973 | Average | 174 | 1,325 | 16 | 585 | 255 | 15 | 99 | 329 | 465 | 3,263 | 6,256 |
| 1974 | Average | 164 | 1,070 | 8 | 511 | 251 | 8 | 90 | 391 | 340 | 2,832 | 6,112 |
| 1975 | Average | 152 | 846 | 71 | 332 | 242 | 14 | 90 | 406 | 300 | 2,454 | 6,056 |
| 1976 | Average | 118 | 599 | 87 | 275 | 274 | 31 | 88 | 422 | 353 | 2,247 | 7,313 |
| 1977 | Average | 171 | 517 | 179 | 211 | 289 | 126 | 105 | 466 | 550 | 2,614 | 8,807 |
| 1978 | Average | 160 | 467 | 318 | 229 | 253 | 180 | 94 | 429 | 484 | 2,613 | 8,363 |
| 1979 | Average | 147 | 538 | 439 | 231 | 190 | 202 | 92 | 431 | 548 | 2,819 | 8,456 |
| 1980 | Average | 78 | 455 | 533 | 225 | 176 | 176 | 88 | 388 | 491 | 2,609 | 6,909 |
| 1981 | Average | 74 | 447 | 522 | 197 | 133 | 375 | 62 | 327 | 534 | 2,672 | 5,996 |
| 1982 | Average | 65 | 482 | 685 | 175 | 112 | 456 | 50 | 316 | 627 | 2,968 | 5,113 |
| 1983 | January | 68 | 534 | 849 | 228 | 73 | 314 | 40 | 299 | 621 | 3,026 | 4,438 |
| | February | 92 | 586 | 722 | 183 | 81 | 193 | 50 | 192 | 558 | 2,658 | 3,726 |
| | March | 86 | 488 | 775 | 187 | 78 | 240 | 43 | 162 | 565 | 2,624 | 3,690 |
| | April | 174 | 454 | 981 | 216 | 85 | 421 | 20 | 183 | 759 | 3,295 | 4,727 |
| | May | 135 | 518 | 944 | 153 | 108 | 484 | 42 | 235 | 699 | 3,318 | 5,089 |
| | June | 137 | 586 | 830 | 173 | 120 | 440 | 48 | 262 | 757 | 3,353 | 5,326 |
| | July | 69 | 634 | 849 | 198 | 107 | 369 | 37 | 364 | 864 | 3,490 | 5,741 |
| | August | 144 | 542 | 906 | 197 | 90 | 461 | 40 | 313 | 738 | 3,431 | 6,159 |
| | September | 148 | 533 | 849 | 261 | 82 | 475 | 33 | 307 | 845 | 3,534 | 6,129 |
| | October | 171 | 532 | 771 | 172 | 106 | 414 | 48 | 357 | 580 | 3,151 | 5,258 |
| | November | 148 | 556 | 726 | 144 | 110 | 334 | 55 | 427 | 801 | 3,300 | 5,210 |
| | December | 127 | 604 | 710 | 153 | 113 | 429 | 22 | 278 | 628 | 3,063 | 5,033 |
| | Average | 125 | 547 | 826 | 189 | 96 | 382 | 40 | 282 | 701 | 3,189 | 5,051 |
| 1984 | January | 152 | 624 | 705 | 277 | 54 | 382 | 53 | 390 | 772 | 3,408 | 5,347 |
| | February | 142 | 620 | 747 | 288 | 77 | 338 | 58 | 418 | 1,083 | 3,772 | 5,643 |
| | March | 88 | 726 | 707 | 169 | 93 | 400 | 34 | 247 | 996 | 3,460 | 5,253 |
| | April | 88 | 691 | 859 | 207 | 91 | 282 | 37 | 257 | 863 | 3,375 | 5,319 |
| | May | 31 | 715 | 675 | 192 | 57 | 418 | 38 | 336 | 796 | 3,259 | 5,916 |
| | June | 50 | 499 | 732 | 234 | 104 | 318 | 53 | 268 | 934 | 3,192 | 5,304 |
| | July | 14 | 574 | 738 | 99 | 120 | 362 | 27 | 292 | 924 | 3,150 | 5,387 |
| | August | 57 | 551 | 621 | 205 | 98 | 388 | 34 | 236 | 826 | 3,015 | 5,036 |
| | September | 101 | 537 | 762 | 133 | 103 | 490 | 38 | 245 | 803 | 3,213 | 5,173 |
| | October | 152 | 685 | 827 | 112 | 122 | 486 | 37 | 321 | 955 | 3,697 | 5,767 |
| | November | 88 | 637 | 822 | 174 | 115 | 544 | 44 | 283 | 921 | 3,628 | 5,534 |
| | December | 75 | 690 | 684 | 141 | 98 | 337 | 46 | 235 | 853 | 3,160 | 4,909 |
| | Average | 86 | 629 | 739 | 185 | 94 | 396 | 42 | 294 | 893 | 3,358 | 5,381 |

Footnotes continued.

⁴ Includes petroleum imported into the United States indirectly from OPEC countries, primarily from Caribbean and West European areas, as refined petroleum products which were refined from crude oil produced in OPEC countries.

(^s) = Less than 500 barrels per day.

Note: Beginning in October 1977, Strategic Petroleum Reserve imports are included.

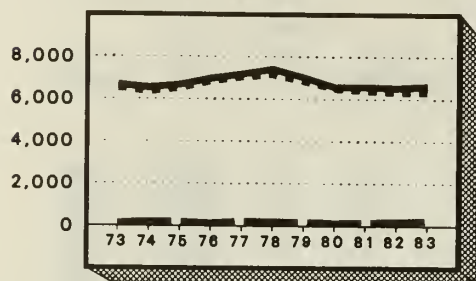
Total may not equal sum of components due to independent rounding.

Geographic coverage: The 50 United States and the District of Columbia.

Source: See the last page of this section.

Motor Gasoline Supply and Disposition

(Thousand Barrels per Day)



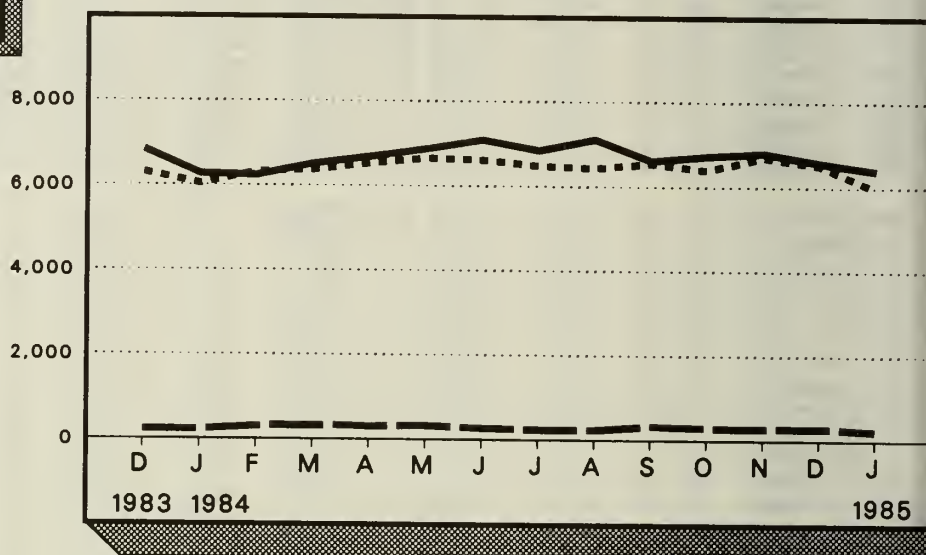
Annual

Legend

Product Supplied

Finished Gasoline Production

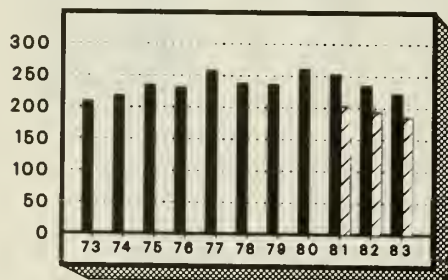
Finished Gasoline Imports



Month

Motor Gasoline Ending Stocks

(Million Barrels)



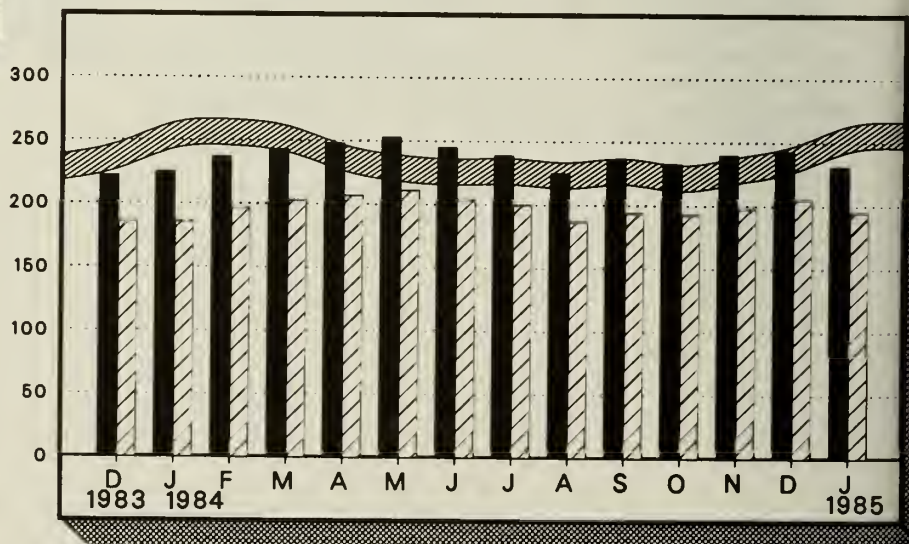
Annual

Legend

Total Motor Gasoline¹

Finished Motor Gasoline

Average Stock Range²



Month

¹ Includes motor gasoline blending components and finished motor gasoline.

² Level and width of Average Stock Range for total motor gasoline is based on 3 years of data, Jul. 81-Jun. 84. See Explanatory Note 6.

Finished Motor Gasoline Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ¹ | | |
|--------------------------|----------------------|--------------------------|----------------------|---|-------------|-------------------|-----------------------|---|-------------------------------|----------|
| | | Total Produc- tion | Imports ² | Stock With- drawal ^{2 3} | Exports | Products Supplied | | Total Motor Gasoline ⁵ | Finished Motor Gasoline | |
| | | | | | | Total | Unleaded ⁴ | | | Unleaded |
| | | | | | | | | | | |
| Thousand Barrels per Day | | | | | | | Percent of Total | Million Barrels | | |
| | | 6,535 | 134 | 9 | 4 | 6,674 | NA | NA | 209 | |
| 73 | Average | 6,360 | 204 | -24 | 2 | 6,537 | NA | NA | ⁶ 218 | |
| 74 | Average | 6,520 | 184 | ⁶ -28 | 2 | 6,675 | NA | NA | 235 | |
| 75 | Average | 6,841 | 131 | 10 | 3 | 6,978 | NA | NA | 231 | |
| 76 | Average | 7,033 | 217 | -72 | 2 | 7,177 | 1,976 | 27.5 | 258 | |
| 77 | Average | 7,169 | 190 | 54 | 1 | 7,412 | 2,521 | 34.0 | 238 | |
| 78 | Average | 6,852 | 181 | 2 | 0 | 7,034 | 2,798 | 39.8 | 237 | |
| 79 | Average | 6,506 | 140 | -66 | 1 | 6,579 | 3,067 | 46.6 | ⁶ 261 | |
| 80 | Average | 6,405 | 157 | ⁶ 28 | 2 | 6,588 | 3,264 | 49.5 | 253 | |
| 81 | Average ⁷ | 6,338 | 197 | 25 | 20 | 6,539 | 3,409 | 52.1 | ⁶ 235 | |
| 82 | Average | | | | | | | | | |
| 83 | January | 6,065 | 153 | ⁶ -167 | 0 | 6,051 | 3,364 | 55.6 | 250 | 207 |
| | February | 5,848 | 128 | 24 | 0 | 6,000 | 3,264 | 54.4 | 250 | 207 |
| | March | 5,906 | 186 | 768 | 23 | 6,836 | 3,622 | 53.0 | 223 | 183 |
| | April | 6,201 | 255 | -3 | 1 | 6,452 | 3,492 | 54.1 | 221 | 183 |
| | May | 6,397 | 305 | -83 | 1 | 6,617 | 3,558 | 53.8 | 223 | 185 |
| | June | 6,655 | 277 | 84 | 22 | 6,994 | 3,792 | 54.2 | 223 | 183 |
| | July | 6,707 | 302 | -225 | 18 | 6,765 | 3,746 | 55.4 | 231 | 190 |
| | August | 6,537 | 250 | 161 | 13 | 6,936 | 3,836 | 55.3 | 226 | 185 |
| | September | 6,611 | 279 | -149 | 14 | 6,727 | 3,691 | 54.9 | 229 | 189 |
| | October | 6,188 | 330 | 72 | 2 | 6,588 | 3,711 | 56.3 | 227 | 187 |
| | November | 6,634 | 269 | -298 | 2 | 6,603 | 3,692 | 55.9 | 236 | 196 |
| | December | 6,308 | 224 | 339 | 25 | 6,846 | 3,966 | 57.9 | 222 | 186 |
| | Average | 6,340 | 247 | 45 | 10 | 6,622 | 3,647 | 55.1 | | |
| 84 | January | 6,037 | 233 | -1 | 1 | 6,268 | 3,606 | 57.5 | 225 | 186 |
| | February | 6,320 | 303 | -384 | 2 | 6,237 | 3,585 | 57.5 | 237 | 197 |
| | March | 6,375 | 343 | -197 | 9 | 6,512 | 3,747 | 57.5 | 243 | 203 |
| | April | 6,528 | 308 | -153 | 0 | 6,682 | 3,854 | 57.7 | 248 | 207 |
| | May | 6,650 | 329 | -106 | 0 | 6,873 | 3,990 | 58.1 | 253 | 211 |
| | June | 6,620 | 272 | 217 | 17 | 7,092 | 4,210 | 59.4 | 245 | 204 |
| | July | 6,481 | 247 | 130 | 9 | 6,849 | 4,094 | 59.8 | 239 | 200 |
| | August | 6,436 | 243 | 437 | 1 | 7,114 | 4,263 | 59.9 | 225 | 187 |
| | September | 6,545 | 333 | -263 | 2 | 6,614 | 3,982 | 60.2 | 235 | 194 |
| | October | 6,396 | 293 | 42 | 1 | 6,730 | 4,074 | 60.5 | 233 | 193 |
| | November | 6,705 | 286 | -175 | 11 | 6,805 | 4,243 | 62.3 | 240 | 198 |
| | December* | R 6,513 | R 308 | R - 225 | 16 | R 6,580 | 4,185 | 63.6 | R 243 | R 205 |
| | Average | 6,466 | 291 | - 54 | 6 | 6,698 | 3,987 | 59.5 | | |
| 85 | January** | 5,957 | 230 | 214 | NA | 6,396 | NA | NA | 231 | 195 |

¹ Stocks are totals as of end of period.

² Beginning in 1981, excludes blending components.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ Includes gasohol.

⁵ Includes motor gasoline blending components.

⁶ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁷ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.3.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

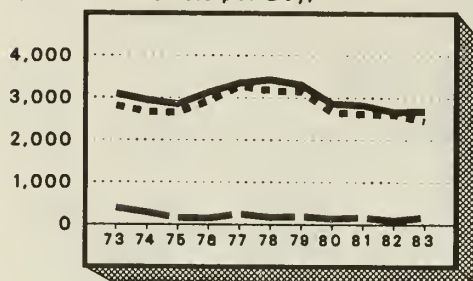
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Distillate Fuel Oil Supply and Disposition

(Thousand Barrels per Day)



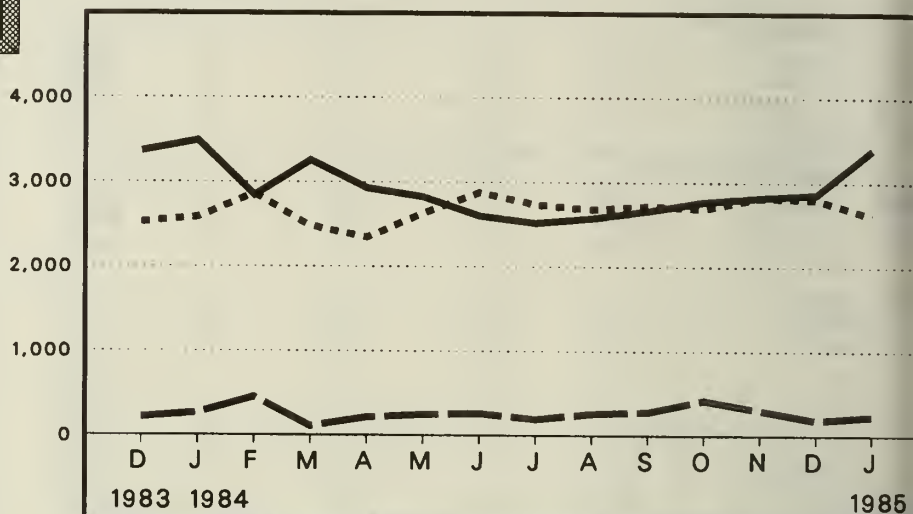
Annual

Legend

Product Supplied

Total Production

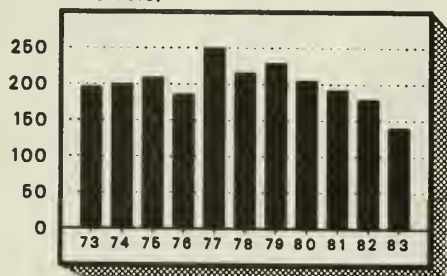
Imports



Month

Distillate Fuel Oil Ending Stocks

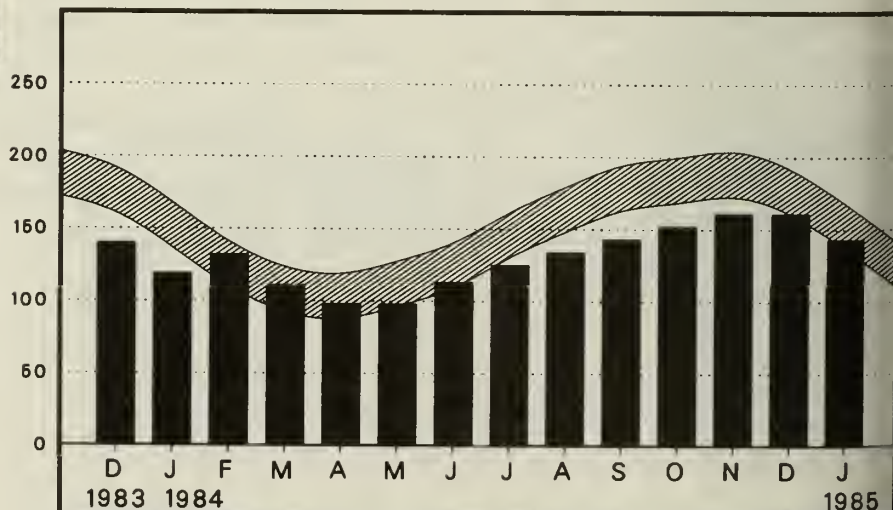
(Million Barrels)



Annual

Legend

Average Stock Range¹



Month

¹ Level and width of Average Stock Range for distillate fuel oil is based on 3 years of data, Jul. 81 - Jun. 84. See Explanatory Note 6.

Distillate Fuel Oil Supply and Disposition

| | | Supply | | | | Disposition | | Ending Stocks ¹ |
|------|----------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 2,822 | 392 | -115 | 2 | 9 | 3,092 | 196 |
| 1974 | Average | 2,669 | 289 | -9 | 2 | 2 | 2,948 | ⁴ 200 |
| 1975 | Average | 2,654 | 155 | ⁴ 40 | 2 | 1 | 2,851 | 209 |
| 1976 | Average | 2,924 | 146 | 62 | 1 | 1 | 3,133 | 186 |
| 1977 | Average | 3,278 | 250 | -176 | 1 | 1 | 3,352 | 250 |
| 1978 | Average | 3,167 | 173 | 93 | 1 | 3 | 3,432 | 216 |
| 1979 | Average | 3,153 | 193 | -34 | 1 | 3 | 3,311 | 229 |
| 1980 | Average | 2,662 | 142 | 64 | 1 | 3 | 2,866 | ⁴ 205 |
| 1981 | Average ⁵ | 2,613 | 173 | ⁴ 38 | 10 | 5 | 2,829 | 192 |
| 1982 | Average | 2,606 | 93 | 35 | 10 | 74 | 2,671 | ⁴ 179 |
| 1983 | January | 2,321 | 68 | ⁴ 580 | NA | 173 | 2,797 | 168 |
| | February | 2,135 | 59 | 691 | NA | 105 | 2,780 | 148 |
| | March | 1,993 | 42 | 971 | NA | 59 | 2,947 | 118 |
| | April | 2,171 | 73 | 500 | NA | 47 | 2,697 | 103 |
| | May | 2,444 | 147 | -186 | NA | 50 | 2,354 | 109 |
| | June | 2,546 | 179 | -161 | NA | 40 | 2,524 | 114 |
| | July | 2,604 | 267 | -546 | NA | 55 | 2,270 | 131 |
| | August | 2,615 | 301 | -379 | NA | 43 | 2,495 | 142 |
| | September | 2,739 | 259 | -386 | NA | 37 | 2,575 | 154 |
| | October | 2,681 | 260 | -276 | NA | 55 | 2,611 | 163 |
| | November | 2,680 | 203 | 45 | NA | 54 | 2,874 | 161 |
| | December | 2,522 | 221 | 676 | NA | 54 | 3,365 | 140 |
| | Average | 2,456 | 174 | 124 | NA | 64 | 2,690 | |
| 1984 | January | 2,585 | 270 | 676 | NA | 40 | 3,490 | 119 |
| | February | 2,864 | 458 | -439 | NA | 41 | 2,842 | 132 |
| | March | 2,480 | 115 | 727 | NA | 66 | 3,256 | 110 |
| | April | 2,347 | 220 | 393 | NA | 32 | 2,929 | 98 |
| | May | 2,633 | 252 | -10 | NA | 48 | 2,827 | 98 |
| | June | 2,879 | 266 | -490 | NA | 53 | 2,602 | 113 |
| | July | 2,736 | 198 | -375 | NA | 40 | 2,518 | 125 |
| | August | 2,678 | 263 | -291 | NA | 74 | 2,575 | 134 |
| | September | 2,724 | 285 | -322 | NA | 22 | 2,665 | 143 |
| | October | 2,692 | 424 | -295 | NA | 47 | 2,773 | 152 |
| | November | 2,821 | 308 | -281 | NA | 24 | 2,824 | 161 |
| | December* | R 2,803 | R 190 | R -11 | NA | 120 | R 2,862 | 161 |
| | Average | 2,686 | 270 | -57 | NA | 51 | 2,848 | |
| 1985 | January** | 2,609 | 238 | 583 | NA | NA | 3,393 | 143 |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for distillate fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (°) = Less than 500 barrels per day.

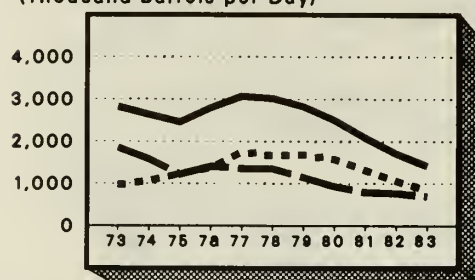
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Residual Fuel Oil Supply and Disposition

(Thousand Barrels per Day)



Annual

Legend

Product Supplied

Total Production

Imports

4,000

3,000

2,000

1,000

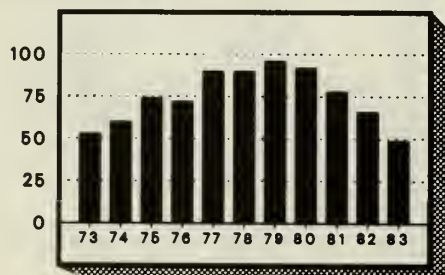
0

D J F M A M J J A S O N D J
1983 1984 1985

Month

Residual Fuel Oil Ending Stocks

(Million Barrels)



Annual

Legend

Average Stock Range¹

100

75

50

25

0

D J F M A M J J A S O N D J
1983 1984 1985

Month

¹ Level end width of Average Stock Range for residual oil is based on 3 years of data, Jul. 81 - Jun. 84. See Explanatory Note 6.

Residual Fuel Oil Supply and Disposition

| | Supply | | | | Disposition | | Ending Stocks ¹ |
|---------------------------|--------------------------|---------|-------------------------------|----------------------------------|-------------|--------------------------------|----------------------------|
| | Total Production | Imports | Stock Withdrawal ² | Crude Used Directly ³ | Exports | Products Supplied ³ | |
| | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 Average | 971 | 1,853 | 5 | 17 | 23 | 2,822 | 53 |
| 1974 Average | 1,070 | 1,587 | -17 | 13 | 14 | 2,639 | ⁴ 60 |
| 1975 Average | 1,235 | 1,223 | ⁴ 2 | 15 | 15 | 2,462 | 74 |
| 1976 Average | 1,377 | 1,413 | 5 | 17 | 12 | 2,801 | 72 |
| 1977 Average | 1,754 | 1,359 | -48 | 13 | 6 | 3,071 | 90 |
| 1978 Average | 1,667 | 1,355 | -1 | 13 | 13 | 3,023 | 90 |
| 1979 Average | 1,687 | 1,151 | -15 | 12 | 9 | 2,826 | 96 |
| 1980 Average | 1,580 | 939 | 10 | 12 | 33 | 2,508 | ⁴ 92 |
| 1981 Average ⁵ | 1,321 | 800 | ⁴ 37 | 48 | 118 | 2,088 | 78 |
| 1982 Average | 1,070 | 776 | 32 | 48 | 209 | 1,716 | ⁴ 66 |
| 1983 January | 972 | 691 | ⁴ 258 | NA | 294 | 1,626 | 61 |
| February | 857 | 647 | 257 | NA | 191 | 1,570 | 53 |
| March | 835 | 686 | 227 | NA | 169 | 1,579 | 46 |
| April | 941 | 753 | -10 | NA | 310 | 1,374 | 47 |
| May | 936 | 738 | -141 | NA | 190 | 1,342 | 51 |
| June | 828 | 677 | 36 | NA | 218 | 1,323 | 50 |
| July | 769 | 684 | -64 | NA | 90 | 1,299 | 52 |
| August | 710 | 739 | 115 | NA | 165 | 1,400 | 48 |
| September | 826 | 706 | -47 | NA | 134 | 1,351 | 50 |
| October | 807 | 638 | -50 | NA | 153 | 1,243 | 51 |
| November | 845 | 780 | -97 | NA | 167 | 1,362 | 54 |
| December | 897 | 649 | 182 | NA | 141 | 1,587 | 49 |
| Average | 852 | 699 | 55 | NA | 185 | 1,421 | |
| 1984 January | 953 | 1,061 | 119 | NA | 151 | 1,981 | 45 |
| February | 1,003 | 1,107 | -420 | NA | 87 | 1,602 | 58 |
| March | 887 | 633 | 321 | NA | 204 | 1,637 | 48 |
| April | 840 | 637 | 9 | NA | 130 | 1,357 | 47 |
| May | 829 | 554 | 35 | NA | 200 | 1,218 | 46 |
| June | 841 | 676 | -17 | NA | 176 | 1,324 | 47 |
| July | 792 | 596 | -77 | NA | 99 | 1,213 | 49 |
| August | 808 | 572 | 146 | NA | 260 | 1,266 | 45 |
| September | 861 | 596 | -77 | NA | 214 | 1,165 | 47 |
| October | 912 | 461 | -123 | NA | 174 | 1,075 | 51 |
| November | 936 | 588 | 119 | NA | 286 | 1,357 | 47 |
| December* | R 1,055 | R 627 | R -193 | NA | 299 | R 1,190 | 53 |
| Average | 893 | 674 | -11 | NA | 190 | 1,365 | |
| 1985 January** | 951 | 515 | 227 | NA | 225 | 1,468 | 46 |

¹ Stocks are totals as of end of period.

² A negative number indicates an increase in stocks and a positive number indicates a decrease.

³ Beginning in January 1983, product supplied for residual fuel oil does not include crude oil used directly. See Explanatory Note 4.

⁴ In January 1975, 1981, and 1983, numerous respondents were added to surveys affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

⁵ Beginning in January 1981, survey forms were modified. See Explanatory Note 12.

* See Explanatory Note 9.4.

** Italics denote estimates based upon preliminary data. See Explanatory Note 8.

R = Revised data. NA = Not available. (s) = Less than 500 barrels per day.

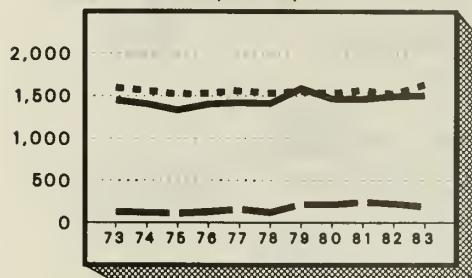
Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Liquefied Petroleum Gases Supply and Disposition

(Thousand Barrels per Day)



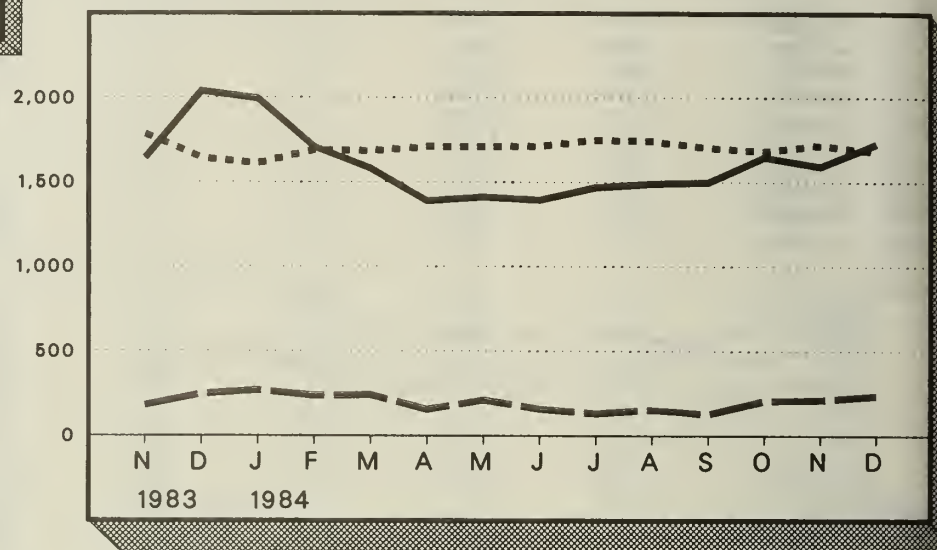
Annual

Legend

Product Supplied

Total Production

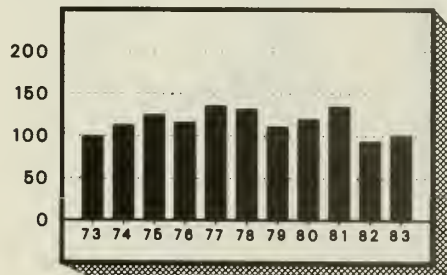
Imports



Monthly

Liquefied Petroleum Gases Ending Stocks

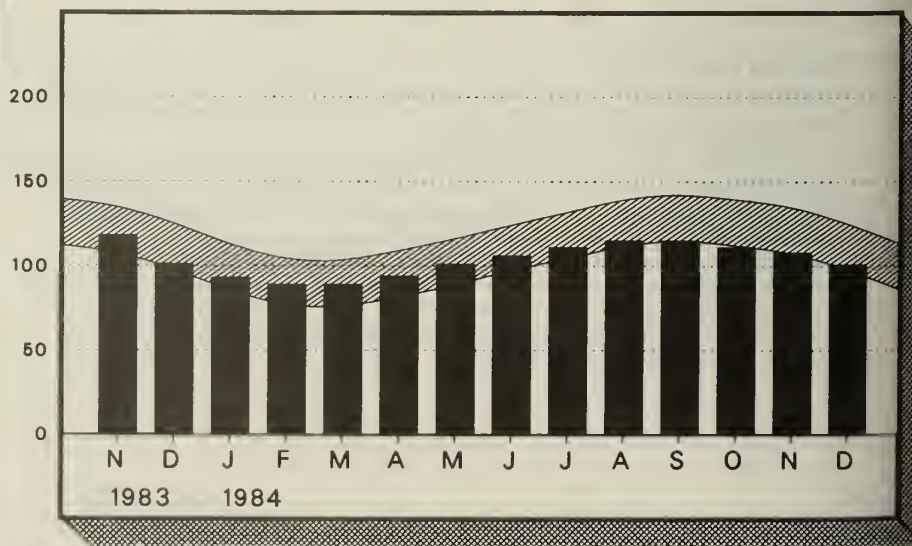
(Million Barrels)



Annual

Legend

Average Stock Range¹



Monthly

¹ Level and width of Average Stock Range for liquefied petroleum gas is based on 3 years of data, Jul 81-Jun 84. See Explanatory Note 6.

Liquefied Petroleum Gases¹ Supply and Disposition

| | | Supply | | | Disposition | | | Ending Stocks ² |
|------|-----------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 | Average | 1,600 | 132 | -35 | 220 | 27 | 1,449 | 99 |
| 1974 | Average | 1,565 | 123 | -38 | 220 | 25 | 1,406 | ⁴ 113 |
| 1975 | Average | 1,527 | 112 | ⁴ -35 | 246 | 26 | 1,333 | 125 |
| 1976 | Average | 1,535 | 130 | 24 | 260 | 25 | 1,404 | 116 |
| 1977 | Average | 1,566 | 161 | -55 | 233 | 18 | 1,422 | 136 |
| 1978 | Average | 1,537 | 123 | 12 | 239 | 20 | 1,413 | 132 |
| 1979 | Average | 1,556 | 217 | 70 | 236 | 15 | 1,592 | 111 |
| 1980 | Average | 1,535 | 216 | -27 | 233 | 21 | 1,469 | ⁴ 120 |
| 1981 | Average | 1,571 | 244 | ⁴ -18 | 289 | 42 | 1,466 | 135 |
| 1982 | Average | 1,528 | 226 | 111 | 300 | 65 | 1,499 | ⁴ 94 |
| 1983 | January | 1,611 | 240 | ⁴ 520 | 313 | 118 | 1,939 | 86 |
| | February | 1,600 | 305 | 128 | 244 | 76 | 1,713 | 82 |
| | March | 1,543 | 166 | -9 | 197 | 127 | 1,377 | 82 |
| | April | 1,607 | 124 | -156 | 198 | 116 | 1,260 | 87 |
| | May | 1,613 | 167 | -225 | 207 | 84 | 1,263 | 94 |
| | June | 1,664 | 172 | -334 | 203 | 59 | 1,241 | 104 |
| | July | 1,656 | 191 | -221 | 217 | 55 | 1,354 | 111 |
| | August | 1,586 | 160 | -199 | 229 | 29 | 1,289 | 117 |
| | September | 1,705 | 178 | -30 | 236 | 86 | 1,531 | 118 |
| | October | 1,688 | 160 | -81 | 268 | 32 | 1,467 | 120 |
| | November | 1,785 | 180 | 70 | 362 | 33 | 1,640 | 118 |
| | December | 1,645 | 247 | 575 | 363 | 66 | 2,038 | ⁴ 101 |
| | Average | 1,642 | 190 | 4 | 253 | 73 | 1,509 | |
| 1984 | January | 1,610 | 269 | ⁴ 470 | 333 | 23 | 1,993 | 93 |
| | February | 1,690 | 237 | 146 | 323 | 41 | 1,708 | 89 |
| | March | 1,685 | 241 | 12 | 289 | 68 | 1,581 | 89 |
| | April | 1,711 | 155 | -170 | 253 | 54 | 1,389 | 94 |
| | May | 1,709 | 211 | -221 | 244 | 42 | 1,412 | 101 |
| | June | 1,714 | 158 | -189 | 237 | 53 | 1,394 | 106 |
| | July | 1,750 | 132 | -138 | 232 | 43 | 1,469 | 111 |
| | August | 1,744 | 154 | -132 | 241 | 34 | 1,491 | 115 |
| | September | 1,704 | 128 | -24 | 283 | 26 | 1,499 | 115 |
| | October | 1,683 | 207 | 137 | 322 | 56 | 1,648 | 111 |
| | November | 1,719 | 212 | 90 | 376 | 52 | 1,593 | 108 |
| | December* | 1,681 | 237 | 241 | 351 | 82 | 1,727 | 101 |
| | Average | 1,700 | 195 | 19 | 290 | 48 | 1,576 | |

¹ Includes ethane, propane, normal butane, and isobutane.

Beginning in January 1984, unfractionated stream is reported by individual product.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.5.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Other Petroleum Products¹ Supply and Disposition

| | Supply | | | Disposition | | | Ending Stocks ² |
|--------------|--------------------------|---------|-------------------------------|-----------------|---------|-------------------|----------------------------|
| | Total Production | Imports | Stock Withdrawal ³ | Refinery Inputs | Exports | Products Supplied | |
| | Thousand Barrels per Day | | | | | | Million Barrels |
| 1973 Average | 3,693 | 502 | -9 | 750 | 166 | 3,270 | 208 |
| 1974 Average | 3,558 | 432 | -28 | 665 | 174 | 3,123 | ⁴ 218 |
| 1975 Average | 3,424 | 277 | ⁴ -2 | 537 | 160 | 3,002 | 219 |
| 1976 Average | 3,643 | 206 | -5 | 524 | 175 | 3,145 | 220 |
| 1977 Average | 3,912 | 205 | -27 | 514 | 165 | 3,410 | 230 |
| 1978 Average | 4,046 | 166 | 14 | 492 | 167 | 3,568 | 225 |
| 1979 Average | 4,153 | 195 | -37 | 352 | 209 | 3,749 | 238 |
| 1980 Average | 3,956 | 210 | -23 | 311 | 198 | 3,634 | ⁴ 247 |
| 1981 Average | 3,739 | 226 | ⁴ 46 | 723 | 199 | 3,088 | 282 |
| 1982 Average | 3,453 | 334 | 80 | 787 | 211 | 2,869 | ⁴ 253 |
| 1983 January | 3,194 | 322 | ⁴ -419 | 588 | 271 | 2,239 | 271 |
| February | 3,229 | 321 | 12 | 673 | 232 | 2,658 | 270 |
| March | 3,381 | 319 | -147 | 572 | 249 | 2,732 | 275 |
| April | 3,299 | 404 | -24 | 592 | 247 | 2,840 | 276 |
| May | 3,405 | 374 | 35 | 705 | 242 | 2,866 | 275 |
| June | 3,610 | 444 | 96 | 717 | 292 | 3,144 | 272 |
| July | 3,636 | 425 | 148 | 735 | 209 | 3,265 | 267 |
| August | 3,695 | 482 | 30 | 668 | 242 | 3,297 | 266 |
| September | 3,792 | 497 | -6 | 788 | 236 | 3,255 | 266 |
| October | 3,578 | 424 | -107 | 711 | 195 | 2,990 | 270 |
| November | 3,568 | 441 | 95 | 912 | 238 | 2,957 | 267 |
| December | 3,123 | 479 | 361 | 883 | 257 | 2,823 | ⁴ 256 |
| Average | 3,460 | 411 | 6 | 712 | 242 | 2,923 | |
| 1984 January | 3,391 | 486 | ⁴ -177 | 561 | 207 | 2,931 | 253 |
| February | 3,582 | 586 | -256 | 751 | 225 | 2,935 | 261 |
| March | 3,510 | 466 | -218 | 530 | 258 | 2,969 | 268 |
| April | 3,584 | 582 | -207 | 627 | 268 | 3,063 | 274 |
| May | 3,683 | 642 | -118 | 775 | 257 | 3,175 | 277 |
| June | 3,863 | 521 | 404 | 1,229 | 343 | 3,213 | 265 |
| July | 3,866 | 567 | 278 | 1,034 | 238 | 3,438 | 257 |
| August | 3,855 | 561 | 24 | 648 | 172 | 3,621 | 256 |
| September | 3,768 | 539 | -51 | 712 | 238 | 3,306 | 258 |
| October | 3,580 | 632 | 30 | 724 | 180 | 3,336 | 257 |
| November | 3,530 | 592 | 64 | 948 | 281 | 2,960 | 255 |
| December* | 3,383 | 421 | 464 | 1,054 | 284 | 2,931 | 240 |
| Average | 3,633 | 549 | 21 | 799 | 246 | 3,158 | |

¹ Includes pentanes plus, other hydrocarbons and alcohol, unfinished oils, gasoline blending components and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases.

² Stocks are totals as of end of period.

³ A negative number indicates an increase in stocks and a positive number indicates a decrease.

⁴ In January 1975, 1981, 1983, and 1984, a new stock basis was established affecting stocks reported and stock withdrawal calculations. See Explanatory Note 10.

* See Explanatory Note 9.6.

Note: Geographic coverage is the 50 United States and the District of Columbia.

Total may not equal sum of components due to independent rounding.

Source: See the last page of this section.

Sources

1. 1973 through 1976: U.S. Department of the Interior, Bureau of Mines, Mineral Industry Surveys, *Petroleum Statement, Annual and PAD Districts Supply/Demand, Annual*.
2. 1977 through 1980: Energy Information Administration (EIA), *Energy Data Reports, Petroleum Statement, Annual and PAD Districts Supply/Demand, Annual*, and unleaded gasoline data from *Monthly Petroleum Statistics Report*.
3. January 1981 through December 1983: EIA, *Petroleum Supply Annual*.
4. January 1984 through December 1984: Detailed statistics in appropriate issues of the Petroleum Supply Monthly. (See Explanatory Notes 9.1 through 9.6).
5. January 1985: Estimates based on EIA weekly data (except domestic crude oil production) (see Explanatory Note 1.1).
6. January 1984 through January 1985: Domestic crude oil production estimate based on historical statistics from State Conservation Agencies and the U.S. Geological Survey. (See Explanatory Note 3).

LIBRARY U. OF I. URBANA CHAMPAIGN

Detailed Statistics



LIBRARY U. OF I. URBANA CHAMPAIGN

Table 1. U.S. Petroleum Balance, December 1984

| | Current Month | | Year-to-date | |
|---|------------------|--------------------------|------------------|--------------------------|
| | Thousand Barrels | Thousand Barrels per Day | Thousand Barrels | Thousand Barrels per Day |
| Crude Oil (Including Lease Condensate) | | | | |
| Field Production | | | | |
| Alaska | E 51,410 | 1,658 | E 635,099 | 1,735 |
| Lower 48 States | E 221,294 | 7,139 | E 2,570,005 | 7,022 |
| Total U.S. | E 272,704 | 8,797 | E 3,205,104 | 8,757 |
| Net Imports | | | | |
| Imports (Gross Excluding SPR) | 89,814 | 2,897 | 1,173,256 | 3,206 |
| SPR Imports | 7,099 | 229 | 72,038 | 197 |
| Exports | 5,737 | 185 | 66,233 | 181 |
| Imports (Net Including SPR) | 91,176 | 2,941 | 1,179,061 | 3,221 |
| Other Sources | | | | |
| SPR Withdrawal (+) or Addition (-) | -7,459 | -241 | -71,416 | -195 |
| Other Stock Withdrawal (+) or Addition (-) | -440 | -14 | -346 | -1 |
| Product Supplied and Losses | -2,004 | -65 | -23,507 | -64 |
| Unaccounted for 1 | 10,526 | 340 | 123,070 | 336 |
| Total Other Sources | 623 | 20 | 27,801 | 76 |
| Crude Input to Refineries | 364,503 | 11,758 | 4,411,966 | 12,055 |
| (13) = (3) + (7) + (12) | | | | |
| Natural Gas Plant Liquids (NGPL) | | | | |
| Field Production | 51,112 | 1,649 | 597,618 | 1,633 |
| Net Imports 2 | 880 | 28 | 15,827 | 43 |
| Stock Withdrawal (+) or Addition (-) 2 | 295 | 10 | 1,165 | 3 |
| Total NGPL Supply | 52,287 | 1,687 | 614,610 | 1,679 |
| Other Liquids | | | | |
| Unfinished Oils and Gasoline Blending Components, Total | | | | |
| Stock Withdrawal (+) or Addition (-) | 15,387 | 496 | 12,604 | 34 |
| Imports | 7,279 | 235 | 113,133 | 309 |
| Other Hydrocarbons and Alcohol New Supply (Field Production) .. | 990 | 32 | 16,428 | 45 |
| Refinery Processing Gain 1 | 18,365 | 592 | 203,452 | 556 |
| Crude Oil Product Supplied | 1,992 | 64 | 23,275 | 64 |
| Total Other Liquids | 44,013 | 1,420 | 368,892 | 1,008 |
| (23) = (18) through (22) | | | | |
| Total Production of Products 3 | 460,803 | 14,865 | 5,395,468 | 14,742 |
| (24) = (13) + (17) + (23) | | | | |
| Net Imports of Refined Products 3 | | | | |
| Imports (Gross) | 46,959 | 1,515 | 594,398 | 1,624 |
| Exports | 24,657 | 795 | 196,878 | 537 |
| Imports (Net) | 22,301 | 719 | 397,520 | 1,086 |
| Total New Supply of Products | 483,104 | 15,584 | 5,792,987 | 15,827 |
| (28) = (24) + (27) | | | | |
| Refined Products Stock Withdrawal (+) or Addition (-) 3 | -7,146 | -231 | -43,986 | -120 |
| Total Petroleum Products Supplied for Domestic Use | 475,958 | 15,353 | 5,749,002 | 15,708 |
| (30) = (28) + (29) | | | | |
| Finished Motor Gasoline | 203,975 | 6,580 | 2,451,329 | 6,698 |
| Distillate Fuel Oil | 88,711 | 2,862 | 1,042,370 | 2,848 |
| Residual Fuel Oil | 36,900 | 1,190 | 499,504 | 1,365 |
| Liquefied Petroleum Gases | 53,527 | 1,727 | 576,701 | 1,576 |
| Other 4 | 90,853 | 2,931 | 1,155,823 | 3,158 |
| Crude Oil | 1,992 | 64 | 23,275 | 64 |
| Total Product Supplied | 475,958 | 15,353 | 5,749,002 | 15,708 |
| (37) = (31) through (36) | | | | |
| Ending Stocks, All Oils | | | | |
| Crude Oil and Lease Condensate (Excluding SPR) | 343,522 | -- | 343,522 | -- |
| Strategic Petroleum Reserve (SPR) | 450,505 | -- | 450,505 | -- |
| Unfinished Oils | 93,740 | -- | 93,740 | -- |
| Gasoline Blending Components 5 | 38,676 | -- | 38,676 | -- |
| Pentanes Plus | 7,600 | -- | 7,600 | -- |
| Finished Refined Products 3 | 621,036 | -- | 621,036 | -- |
| Total Stocks | 1,555,079 | -- | 1,555,079 | -- |

1 A balancing item.

2 Includes products in the pentanes plus category only.

3 For products included see Explanatory Note 9.7.

4 Includes pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil and liquefied petroleum gases.

5 Includes other hydrocarbons and alcohol.

E = Estimated.

-- Not Applicable.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes 1, 2 and 9.7.

Table 2. Supply and Disposition of Crude Oil and Petroleum Products, December 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (Including lease condensate) | E 272,704 | 0 | 96,913 | -7,899 | 10,526 | 12 | 364,503 | 5,737 | 1,992 | 794,027 |
| Natural Gas Liquids and LRGs | 51,015 | 9,971 | 8,392 | 7,770 | 0 | 0 | 17,444 | 2,703 | 57,001 | 108,470 |
| Pentanes Plus | 8,866 | 0 | 1,043 | 295 | 0 | 0 | 6,567 | 163 | 3,474 | 7,600 |
| Liquefied Petroleum Gases | 42,149 | 9,971 | 7,349 | 7,475 | 0 | 0 | 10,877 | 2,540 | 53,527 | 100,870 |
| Ethane | 15,606 | 287 | 1,660 | 2,401 | 0 | 0 | 47 | 327 | 19,580 | 20,378 |
| Propane | 16,936 | 8,776 | 2,624 | 2,887 | 0 | 0 | 107 | 1,653 | 29,463 | 57,824 |
| Normal Butane | 6,488 | 851 | 1,848 | 2,215 | 0 | 0 | 7,354 | 397 | 3,651 | 13,681 |
| Isobutane | 3,119 | 57 | 1,218 | -28 | 0 | 0 | 3,369 | 163 | 833 | 8,987 |
| Other Liquids | 990 | 0 | 7,279 | 15,387 | 0 | 0 | 26,093 | 0 | -2,437 | 132,416 |
| Other Hydrocarbons and Alcohol | 990 | 0 | 0 | 15 | 0 | 0 | 1,005 | 0 | 0 | 299 |
| Unfinished Oils | 0 | 0 | 5,760 | 11,887 | 0 | 0 | 17,967 | 0 | -320 | 93,740 |
| Motor Gasoline Blending Components | 0 | 0 | 1,519 | 3,496 | 0 | 0 | 7,133 | 0 | -2,118 | 38,092 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -11 | 0 | 0 | -12 | 0 | 1 | 285 |
| Finished Petroleum Products | 97 | 416,434 | 39,609 | -14,621 | 0 | 0 | 0 | 22,117 | 419,402 | 520,166 |
| Finished Motor Gasoline | 1 | 201,898 | 9,544 | -6,976 | 0 | 0 | 0 | 492 | 203,975 | 205,391 |
| Finished Leaded Motor Gasoline | 1 | 74,666 | 4,112 | -4,061 | 0 | 0 | 0 | 492 | 74,226 | 92,474 |
| Finished Unleaded Motor Gasoline | 0 | 127,232 | 5,432 | -2,915 | 0 | 0 | 0 | 0 | 129,749 | 112,917 |
| Finished Aviation Gasoline | 0 | 631 | 1 | -114 | 0 | 0 | 0 | 0 | 518 | 2,726 |
| Naphtha-Type Jet Fuel | 0 | 6,681 | 7 | -342 | 0 | 0 | 0 | 489 | 5,857 | 6,861 |
| Kerosene-Type Jet Fuel | 0 | 28,857 | 890 | 3,297 | 0 | 0 | 0 | 738 | 32,306 | 35,118 |
| Kerosene | 2 | 4,699 | 633 | -1,085 | 0 | 0 | 0 | 8 | 4,241 | 11,876 |
| Distillate Fuel Oil | 44 | 86,860 | 5,886 | -356 | 0 | 0 | 0 | 3,724 | 88,711 | 161,136 |
| Residual Fuel Oil | 0 | 32,711 | 19,449 | -5,998 | 0 | 0 | 0 | 9,261 | 36,900 | 53,214 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 2,928 | 467 | -270 | 0 | 0 | 0 | 249 | 2,875 | 1,923 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 5,695 | 28 | 314 | 0 | 0 | 0 | 139 | 5,898 | 1,424 |
| Special Naphthas | 0 | 1,256 | 1,567 | -104 | 0 | 0 | 0 | 57 | 2,662 | 2,951 |
| Lubricants | 0 | 4,266 | 119 | -184 | 0 | 0 | 0 | 425 | 3,776 | 12,724 |
| Waxes | 0 | 431 | 26 | -16 | 0 | 0 | 0 | 70 | 371 | 652 |
| Petroleum Coke | 0 | 12,955 | 0 | 162 | 0 | 0 | 0 | 6,428 | 6,689 | 4,839 |
| Asphalt and Road Oil | 0 | 8,278 | 959 | -3,109 | 0 | 0 | 0 | 2 | 6,126 | 17,183 |
| Still Gas | 0 | 16,503 | 0 | 0 | 0 | 0 | 0 | 0 | 16,503 | 0 |
| Miscellaneous Products | 50 | 1,785 | 34 | 160 | 0 | 0 | 0 | 35 | 1,994 | 2,148 |
| Total | 324,806 | 426,405 | 152,194 | 637 | 10,526 | 12 | 408,040 | 30,557 | 475,958 | 1,555,079 |

1 Unaccounted for crude oil is a balancing item.

¹ Unaccounted for crude oil is a balancing item.

(\$) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 3. Year-to-Date Supply and Disposition of Crude Oil and Petroleum Products, January - December 1984
(Thousand Barrels)

| Commodity | Supply | | | Disposition | | | | | | |
|--|------------------|---------------------|-----------|--------------------------------------|--|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 3,205,104 | 0 | 1,245,294 | -71,762 | 123,070 | 232 | 4,411,966 | 66,233 | 23,275 | 794,027 |
| Natural Gas Liquids and LRGs | 595,895 | 133,277 | 88,203 | 8,052 | 0 | 0 | 182,756 | 18,503 | 624,169 | 108,470 |
| Pentanes Plus | 106,989 | 0 | 16,793 | 1,165 | 0 | 0 | 76,513 | 966 | 47,468 | 7,600 |
| Liquefied Petroleum Gases | 488,906 | 133,277 | 71,411 | 6,887 | 0 | 0 | 106,243 | 17,537 | 576,701 | 100,870 |
| Ethane | 185,655 | 7,563 | 24,417 | 1,001 | 0 | 0 | 707 | 1,933 | 215,997 | 20,378 |
| Propane | 192,632 | 102,690 | 24,569 | -2,544 | 0 | 0 | 1,363 | 10,911 | 305,073 | 57,824 |
| Normal Butane | 74,569 | 22,977 | 13,538 | 6,708 | 0 | 0 | 60,895 | 3,727 | 53,171 | 13,681 |
| Isobutane | 36,050 | 47 | 8,886 | 1,722 | 0 | 0 | 43,278 | 966 | 2,461 | 8,987 |
| Other Liquids | 16,428 | 0 | 113,133 | 12,604 | 0 | 0 | 215,820 | 0 | -73,655 | 132,416 |
| Other Hydrocarbons and Alcohol | 16,428 | 0 | 0 | -14 | 0 | 0 | 16,414 | 0 | 0 | 299 |
| Unfinished Oils | 0 | 0 | 84,163 | 13,758 | 0 | 0 | 155,546 | 0 | -57,625 | 93,740 |
| Motor Gasoline Blending Components | 0 | 0 | 28,965 | -1,172 | 0 | 0 | 43,839 | 0 | -16,046 | 38,092 |
| Aviation Gasoline Blending Components | 0 | 0 | 6 | 32 | 0 | 0 | 21 | 0 | 17 | 285 |
| Finished Petroleum Products | 1,723 | 4,880,717 | 522,987 | -50,873 | 0 | 0 | 0 | 179,341 | 5,175,213 | 520,166 |
| Finished Motor Gasoline | 501 | 2,366,233 | 106,607 | -19,896 | 0 | 0 | 0 | 2,116 | 2,451,329 | 205,391 |
| Finished Leaded Motor Gasoline | 333 | 943,732 | 48,384 | 1,610 | 0 | 0 | 0 | 2,116 | 991,943 | 92,474 |
| Finished Unleaded Motor Gasoline | 168 | 1,422,501 | 58,223 | -21,506 | 0 | 0 | 0 | 0 | 1,459,386 | 112,917 |
| Finished Aviation Gasoline | 0 | 9,107 | 603 | -435 | 0 | 0 | 0 | 0 | 9,275 | 2,726 |
| Naphtha-Type Jet Fuel | 0 | 77,686 | 4,568 | -648 | 0 | 0 | 0 | 922 | 80,684 | 6,861 |
| Kerosene-Type Jet Fuel | 0 | 336,462 | 16,153 | -2,750 | 0 | 0 | 0 | 2,379 | 347,486 | 35,118 |
| Kerosene | 12 | 41,843 | 4,584 | -4,016 | 0 | 0 | 0 | 45 | 42,378 | 11,876 |
| Distillate Fuel Oil | 497 | 982,502 | 98,742 | -20,734 | 0 | 0 | 0 | 18,637 | 1,042,370 | 161,136 |
| Residual Fuel Oil | 0 | 326,697 | 246,617 | -4,106 | 0 | 0 | 0 | 69,704 | 499,504 | 53,214 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 42,855 | 11,935 | -211 | 0 | 0 | 0 | 2,268 | 52,311 | 1,923 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 86,396 | 28 | 333 | 0 | 0 | 0 | 5,361 | 81,395 | 1,424 |
| Special Naphthas | -50 | 19,668 | 20,476 | 202 | 0 | 0 | 0 | 787 | 39,509 | 2,951 |
| Lubricants | 0 | 58,364 | 3,676 | -649 | 0 | 0 | 0 | 5,335 | 56,056 | 12,724 |
| Waxes | 0 | 5,388 | 490 | 125 | 0 | 0 | 0 | 462 | 5,541 | 652 |
| Petroleum Coke | 0 | 160,103 | 0 | 642 | 0 | 0 | 0 | 70,756 | 89,989 | 4,839 |
| Asphalt and Road Oil | 0 | 141,405 | 5,048 | 1,609 | 0 | 0 | 0 | 185 | 147,877 | 17,183 |
| Still Gas | 0 | 204,954 | 0 | 0 | 0 | 0 | 0 | 0 | 204,954 | 0 |
| Miscellaneous Products | 763 | 21,054 | 3,461 | -339 | 0 | 0 | 0 | 383 | 24,556 | 2,148 |
| Total | 3,819,150 | 5,013,994 | 1,969,617 | -101,979 | 123,070 | 232 | 4,810,542 | 264,077 | 5,749,002 | 1,555,079 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 4. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, December 1984
(Thousand Barrels per Day)

| Commodity | Supply | | | Disposition | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,797 | 0 | 3,126 | -255 | 340 | (s) | 11,758 | 185 | 64 |
| Natural Gas Liquids and LRGs | 1,646 | 322 | 271 | 251 | 0 | 0 | 563 | 87 | 1,839 |
| Pentanes Plus | 286 | 0 | 34 | 10 | 0 | 0 | 212 | 5 | 112 |
| Liquefied Petroleum Gases | 1,360 | 322 | 237 | 241 | 0 | 0 | 351 | 82 | 1,727 |
| Ethane | 503 | 9 | 54 | 77 | 0 | 0 | 2 | 11 | 632 |
| Propane | 546 | 283 | 85 | 93 | 0 | 0 | 3 | 53 | 950 |
| Normal Butane | 209 | 27 | 60 | 71 | 0 | 0 | 237 | 13 | 118 |
| Isobutane | 101 | 2 | 39 | -1 | 0 | 0 | 109 | 5 | 27 |
| Other Liquids | 32 | 0 | 235 | 496 | 0 | 0 | 842 | 0 | -79 |
| Other Hydrocarbons and Alcohol | 32 | 0 | 0 | (s) | 0 | 0 | 32 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 186 | 383 | 0 | 0 | 580 | 0 | -10 |
| Motor Gasoline Blending Components | 0 | 0 | 49 | 113 | 0 | 0 | 230 | 0 | -68 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 0 | (s) |
| Finished Petroleum Products | 3 | 13,433 | 1,278 | -472 | 0 | 0 | 0 | 713 | 13,529 |
| Finished Motor Gasoline | (s) | 6,513 | 308 | -225 | 0 | 0 | 0 | 16 | 6,580 |
| Finished Leaded Motor Gasoline | (s) | 2,409 | 133 | -131 | 0 | 0 | 0 | 16 | 2,394 |
| Finished Unleaded Motor Gasoline | 0 | 4,104 | 175 | -94 | 0 | 0 | 0 | 0 | 4,185 |
| Finished Aviation Gasoline | 0 | 20 | (s) | -4 | 0 | 0 | 0 | 0 | 17 |
| Naphtha-Type Jet Fuel | 0 | 216 | (s) | -11 | 0 | 0 | 0 | 16 | 189 |
| Kerosene-Type Jet Fuel | 0 | 931 | 29 | 106 | 0 | 0 | 0 | 24 | 1,042 |
| Kerosene | (s) | 152 | 20 | -35 | 0 | 0 | 0 | (s) | 137 |
| Distillate Fuel Oil | 1 | 2,802 | 190 | -11 | 0 | 0 | 0 | 120 | 2,862 |
| Residual Fuel Oil | 0 | 1,055 | 627 | -193 | 0 | 0 | 0 | 299 | 1,190 |
| Naphtha < 400 Deg. for Petro. Feed, Use | 0 | 94 | 15 | -9 | 0 | 0 | 0 | 8 | 93 |
| Other Oils > 400 Deg. for Petro. Feed, Use | 0 | 184 | 1 | 10 | 0 | 0 | 0 | 4 | 190 |
| Special Naphthas | 0 | 41 | 51 | -3 | 0 | 0 | 0 | 2 | 86 |
| Lubricants | 0 | 138 | 4 | -6 | 0 | 0 | 0 | 14 | 122 |
| Waxes | 0 | 14 | 1 | -1 | 0 | 0 | 0 | 2 | 12 |
| Petroleum Coke | 0 | 418 | 0 | 5 | 0 | 0 | 0 | 207 | 216 |
| Asphalt and Road Oil | 0 | 267 | 31 | -100 | 0 | 0 | 0 | (s) | 198 |
| Still Gas | 0 | 532 | 0 | 0 | 0 | 0 | 0 | 0 | 532 |
| Miscellaneous Products | 2 | 58 | 1 | 5 | 0 | 0 | 0 | 1 | 64 |
| Total | 10,478 | 13,755 | 4,909 | 21 | 340 | (s) | 13,163 | 986 | 15,353 |

1 Unaccounted for crude oil is a balancing item.

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 5. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January - December 1987
(Thousand Barrels per Day)

| Commodity | Supply | | | | Disposition | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|-----------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Crude Losses | Refinery Inputs | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 8,757 | 0 | 3,402 | -196 | 336 | 1 | 12,055 | 181 | 64 |
| Natural Gas Liquids and LRGs | 1,628 | 364 | 241 | 22 | 0 | 0 | 499 | 51 | 1,705 |
| Pentanes Plus | 292 | 0 | 46 | 3 | 0 | 0 | 209 | 3 | 130 |
| Liquefied Petroleum Gases | 1,336 | 364 | 195 | 19 | 0 | 0 | 290 | 48 | 1,576 |
| Ethane | 507 | 21 | 67 | 3 | 0 | 0 | 2 | 5 | 590 |
| Propane | 526 | 281 | 67 | -7 | 0 | 0 | 4 | 30 | 834 |
| Normal Butane | 204 | 63 | 37 | 18 | 0 | 0 | 166 | 10 | 145 |
| Isobutane | 98 | (s) | 24 | 5 | 0 | 0 | 118 | 3 | 7 |
| Other Liquids | 45 | 0 | 309 | 34 | 0 | 0 | 590 | 0 | -201 |
| Other Hydrocarbons and Alcohol | 45 | 0 | 0 | (s) | 0 | 0 | 45 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 230 | 38 | 0 | 0 | 425 | 0 | -157 |
| Motor Gasoline Blending Components | 0 | 0 | 79 | -3 | 0 | 0 | 120 | 0 | -44 |
| Aviation Gasoline Blending Components | 0 | 0 | (s) | (s) | 0 | 0 | (s) | 0 | (s) |
| Finished Petroleum Products | 5 | 13,335 | 1,429 | -139 | 0 | 0 | 0 | 490 | 14,140 |
| Finished Motor Gasoline | 1 | 6,465 | 291 | -54 | 0 | 0 | 0 | 6 | 6,698 |
| Finished Leaded Motor Gasoline | 1 | 2,579 | 132 | 4 | 0 | 0 | 0 | 6 | 2,710 |
| Finished Unleaded Motor Gasoline | (s) | 3,887 | 159 | -59 | 0 | 0 | 0 | 0 | 3,987 |
| Finished Aviation Gasoline | 0 | 25 | 2 | -1 | 0 | 0 | 0 | 0 | 25 |
| Naphtha-Type Jet Fuel | 0 | 212 | 12 | -2 | 0 | 0 | 0 | 3 | 220 |
| Kerosene-Type Jet Fuel | 0 | 919 | 44 | -8 | 0 | 0 | 0 | 7 | 949 |
| Kerosene | (s) | 114 | 13 | -11 | 0 | 0 | 0 | (s) | 116 |
| Distillate Fuel Oil | 1 | 2,684 | 270 | -57 | 0 | 0 | 0 | 51 | 2,848 |
| Residual Fuel Oil | 0 | 893 | 674 | -11 | 0 | 0 | 0 | 190 | 1,365 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 0 | 117 | 33 | -1 | 0 | 0 | 0 | 6 | 143 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 236 | (s) | 1 | 0 | 0 | 0 | 15 | 222 |
| Special Naphthas | (s) | 54 | 56 | 1 | 0 | 0 | 0 | 2 | 108 |
| Lubricants | 0 | 159 | 10 | -2 | 0 | 0 | 0 | 15 | 153 |
| Waxes | 0 | 15 | 1 | (s) | 0 | 0 | 0 | 1 | 15 |
| Petroleum Coke | 0 | 437 | 0 | 2 | 0 | 0 | 0 | 193 | 246 |
| Asphalt and Road Oil | 0 | 386 | 14 | 4 | 0 | 0 | 0 | 1 | 404 |
| Still Gas | 0 | 560 | 0 | 0 | 0 | 0 | 0 | 0 | 560 |
| Miscellaneous Products | 2 | 58 | 9 | -1 | 0 | 0 | 0 | 1 | 67 |
| Total | 10,435 | 13,699 | 5,381 | -279 | 336 | 1 | 13,144 | 722 | 15,708 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 6. PAD District I, Supply and Disposition of Crude Oil and Petroleum Products, December 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | Exports | Products Supplied | Ending Stocks |
| Crude Oil (including lease condensate) | E 1,683 | 0 | 33,073 | -2,526 | 887 | 4,246 | 0 | 37,363 | 0 | 0 | 16,728 |
| Natural Gas Liquids and LRGs | 989 | 1,223 | 1,761 | 398 | 0 | 3,764 | 0 | 249 | 31 | 7,855 | 3,705 |
| Liquefied Petroleum Gases | 846 | 1,223 | 891 | 409 | 0 | 3,764 | 0 | 212 | 31 | 6,890 | 3,653 |
| Pentanes Plus | 143 | 0 | 870 | -11 | 0 | 0 | 0 | 37 | 0 | 965 | 52 |
| Other Liquids | -6 | 0 | 3,332 | 1,992 | 0 | 717 | 0 | 6,256 | 0 | -221 | 16,104 |
| Other Hydrocarbons and Alcohol | -6 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 80 |
| Unfinished Oils | 0 | 0 | 2,289 | 1,390 | 0 | 708 | 0 | 4,731 | 0 | -344 | 11,739 |
| Motor Gasoline Blending Components | 0 | 0 | 1,043 | 596 | 0 | 9 | 0 | 1,525 | 0 | 123 | 4,285 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 0 | 44,639 | 35,521 | -8,186 | 0 | 78,078 | 0 | 0 | 795 | 149,257 | 190,587 |
| Finished Motor Gasoline | 0 | 20,148 | 8,758 | -4,949 | 0 | 44,101 | 0 | 0 | 35 | 68,023 | 63,534 |
| Finished Leaded Motor Gasoline | 0 | 6,274 | 3,731 | -1,497 | 0 | 13,407 | 0 | 0 | 35 | 21,880 | 25,837 |
| Finished Unleaded Motor Gasoline | 0 | 13,874 | 5,027 | -3,452 | 0 | 30,694 | 0 | 0 | 0 | 46,143 | 37,697 |
| Finished Aviation Gasoline | 0 | 20 | 1 | -33 | 0 | 150 | 0 | 0 | 0 | 138 | 507 |
| Naphtha-Type Jet Fuel | 0 | 872 | 7 | -225 | 0 | 379 | 0 | 0 | 0 | 1,033 | 1,122 |
| Kerosene-Type Jet Fuel | 0 | 1,210 | 545 | 1,567 | 0 | 9,682 | 0 | 0 | 0 | 13,004 | 8,233 |
| Kerosene | 0 | 315 | 633 | -761 | 0 | 804 | 0 | 0 | 5 | 986 | 6,039 |
| Distillate Fuel Oil | 0 | 10,520 | 5,466 | 2,103 | 0 | 20,324 | 0 | 0 | 237 | 38,177 | 72,798 |
| Residual Fuel Oil | 0 | 5,035 | 18,612 | -4,857 | 0 | 1,133 | 0 | 0 | (s) | 19,923 | 29,092 |
| Naphtha and Other Oils for Petro. Feed | 0 | 384 | 43 | -67 | 0 | -21 | 0 | 0 | 52 | 287 | 367 |
| Special Naphthas | 0 | 41 | 673 | 3 | 0 | 244 | 0 | 0 | 3 | 957 | 680 |
| Lubricants | 0 | 573 | 70 | 33 | 0 | 406 | 0 | 0 | 109 | 973 | 2,989 |
| Waxes | 0 | 75 | 5 | -3 | 0 | 0 | 0 | 0 | 5 | 72 | 67 |
| Petroleum Coke | 0 | 1,039 | 0 | 170 | 0 | 0 | 0 | 0 | 334 | 875 | 665 |
| Asphalt and Road Oil | 0 | 2,426 | 709 | -1,173 | 0 | 174 | 0 | 0 | (s) | 2,136 | 4,197 |
| Still Gas | 0 | 1,833 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,833 | 0 |
| Miscellaneous Products | 0 | 148 | 1 | 6 | 0 | 702 | 0 | 0 | 15 | 842 | 297 |
| Total | 2,666 | 45,862 | 73,686 | -8,322 | 887 | 86,805 | 0 | 43,868 | 826 | 156,891 | 227,124 |

¹ Unaccounted for crude oil is a balancing item

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 7. PAD District II, Supply and Disposition of Crude Oil and Petroleum Products, December 1984
(Thousand Barrels)

| Commodity | Supply | | | | | Net Receipts | Disposition | | | | Ending Stocks |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| Crude Oil (including lease condensate) | E 33,068 | 0 | 15,531 | 273 | 35,858 | -48 | 4 | 84,349 | 330 | 0 | 76,625 |
| Natural Gas Liquids and LRGs | 11,820 | 2,539 | 4,366 | 441 | 0 | 3,301 | 0 | 6,117 | 1,089 | 15,261 | 30,859 |
| Liquefied Petroleum Gases | 10,263 | 2,539 | 4,366 | 446 | 0 | 2,948 | 0 | 4,542 | 925 | 15,095 | 28,217 |
| Pentanes Plus | 1,557 | 0 | 0 | -5 | 0 | 353 | 0 | 1,575 | 163 | 167 | 2,642 |
| Other Liquids | 150 | 0 | 219 | 2,104 | 0 | 0 | 0 | 2,952 | 0 | -479 | 24,207 |
| Other Hydrocarbons and Alcohol | 150 | 0 | 0 | 3 | 0 | 0 | 0 | 153 | 0 | 0 | 122 |
| Unfinished Oils | 0 | 0 | 219 | 2,974 | 0 | 0 | 0 | 2,637 | 0 | 556 | 15,636 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | -866 | 0 | 0 | 0 | 170 | 0 | -1,036 | 8,337 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | -7 | 0 | 0 | 0 | -8 | 0 | 1 | 112 |
| Finished Petroleum Products | 15 | 95,192 | 518 | -11,968 | 0 | 27,166 | 0 | 0 | 426 | 110,496 | 136,378 |
| Finished Motor Gasoline | 0 | 52,496 | 35 | -3,980 | 0 | 17,607 | 0 | 0 | 0 | 66,158 | 64,053 |
| Finished Leaded Motor Gasoline | 0 | 21,002 | 27 | -2,423 | 0 | 8,382 | 0 | 0 | 0 | 26,988 | 32,225 |
| Finished Unleaded Motor Gasoline | 0 | 31,494 | 8 | -1,557 | 0 | 9,225 | 0 | 0 | 0 | 39,170 | 31,828 |
| Finished Aviation Gasoline | 0 | 58 | 0 | 52 | 0 | 52 | 0 | 0 | 0 | 162 | 522 |
| Naphtha-Type Jet Fuel | 0 | 868 | 0 | 57 | 0 | 98 | 0 | 0 | 214 | 809 | 1,414 |
| Kerosene-Type Jet Fuel | 0 | 3,702 | 0 | 406 | 0 | 2,934 | 0 | 0 | 0 | 7,042 | 8,972 |
| Kerosene | 0 | 1,313 | 0 | -381 | 0 | 204 | 0 | 0 | 1 | 1,135 | 3,180 |
| Distillate Fuel Oil | 0 | 22,989 | 188 | -6,177 | 0 | 6,318 | 0 | 0 | 0 | 23,318 | 43,689 |
| Residual Fuel Oil | 0 | 2,581 | 157 | 145 | 0 | -435 | 0 | 0 | 0 | 2,448 | 3,547 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 691 | 8 | -81 | 0 | -31 | 0 | 0 | 42 | 545 | 347 |
| Special Naphthas | 0 | 318 | 79 | -90 | 0 | 137 | 0 | 0 | 8 | 435 | 516 |
| Lubricants | 0 | 880 | 12 | -267 | 0 | 179 | 0 | 0 | 17 | 787 | 2,419 |
| Waxes | 0 | 48 | 6 | -15 | 0 | 0 | 0 | 0 | 4 | 35 | 87 |
| Petroleum Coke | 0 | 3,194 | 0 | -320 | 0 | 0 | 0 | 0 | 139 | 2,735 | 1,102 |
| Asphalt and Road Oil | 0 | 2,533 | 0 | -1,279 | 0 | 141 | 0 | 0 | (s) | 1,395 | 6,208 |
| Still Gas | 0 | 3,389 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,389 | 0 |
| Miscellaneous Products | 15 | 132 | 32 | -38 | 0 | -38 | 0 | 0 | 2 | 102 | 322 |
| Total | 45,053 | 97,731 | 20,634 | -9,150 | 35,858 | 30,419 | 4 | 93,418 | 1,844 | 125,279 | 268,069 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 8. PAD District III, Supply and Disposition of Crude Oil and Petroleum Products, December 1984
(Thousand Barrels)

| Commodity | Supply | | | | Disposition | | | | Ending Stocks | | |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------------|---------|-------------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | Net Receipts | Crude Losses | Refinery Inputs | | Exports | Products Supplied |
| Crude Oil (including lease condensate) | E 133,979 | 0 | 40,038 | -2,937 | -22,001 | 12,828 | 4 | 161,885 | 0 | 18 | 605,159 |
| Natural Gas Liquids and LRGs | 34,223 | 4,948 | 975 | 6,780 | 0 | -5,763 | 0 | 9,243 | 1,334 | 30,586 | 70,772 |
| Liquefied Petroleum Gases | 28,305 | 4,948 | 975 | 6,436 | 0 | -5,611 | 0 | 4,737 | 1,334 | 28,982 | 66,110 |
| Pentanes Plus | 5,918 | 0 | 0 | 344 | 0 | -152 | 0 | 4,506 | 0 | 1,604 | 4,662 |
| Other Liquids | 572 | 0 | 3,252 | 10,314 | 0 | -717 | 0 | 14,559 | 0 | -1,138 | 55,590 |
| Other Hydrocarbons and Alcohol | 572 | 0 | 0 | 6 | 0 | 0 | 0 | 578 | 0 | 0 | 92 |
| Unfinished Oils | 0 | 0 | 3,252 | 7,092 | 0 | -708 | 0 | 9,271 | 0 | 365 | 40,033 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 3,210 | 0 | -9 | 0 | 4,704 | 0 | -1,503 | 15,322 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 143 |
| Finished Petroleum Products | 82 | 188,647 | 1,828 | 9,409 | 0 | -107,935 | 0 | 0 | 13,739 | 78,292 | 121,556 |
| Finished Motor Gasoline | 1 | 89,428 | 248 | 4,526 | 0 | -63,319 | 0 | 0 | 437 | 30,447 | 48,284 |
| Finished Leaded Motor Gasoline | 1 | 31,347 | 248 | 993 | 0 | -22,595 | 0 | 0 | 437 | 9,557 | 20,158 |
| Finished Unleaded Motor Gasoline | 0 | 58,081 | 0 | 3,533 | 0 | -40,724 | 0 | 0 | 0 | 20,890 | 28,126 |
| Finished Aviation Gasoline | 0 | 310 | 0 | 52 | 0 | -202 | 0 | 0 | 0 | 160 | 772 |
| Naphtha-Type Jet Fuel | 0 | 3,015 | 0 | -28 | 0 | -617 | 0 | 0 | 275 | 2,095 | 2,405 |
| Kerosene-Type Jet Fuel | 0 | 15,682 | 0 | 1,047 | 0 | -13,444 | 0 | 0 | 521 | 2,764 | 11,360 |
| Kerosene | 2 | 2,731 | 0 | 132 | 0 | -1,008 | 0 | 0 | (s) | 1,857 | 2,348 |
| Distillate Fuel Oil | 44 | 38,867 | 0 | 4,041 | 0 | -26,787 | 0 | 0 | 2,460 | 13,705 | 29,007 |
| Residual Fuel Oil | 0 | 12,654 | 185 | -865 | 0 | -698 | 0 | 0 | 6,227 | 5,049 | 11,221 |
| Naphtha and Other Oils for Petro. Feed | 0 | 7,182 | 380 | 163 | 0 | 52 | 0 | 0 | 124 | 7,652 | 2,403 |
| Special Naphthas | 0 | 806 | 808 | 10 | 0 | -391 | 0 | 0 | 45 | 1,188 | 1,389 |
| Lubricants | 0 | 2,480 | 22 | 63 | 0 | -542 | 0 | 0 | 246 | 1,777 | 6,125 |
| Waxes | 0 | 217 | 5 | 16 | 0 | 0 | 0 | 0 | 56 | 182 | 435 |
| Petroleum Coke | 0 | 4,765 | 0 | 383 | 0 | 0 | 0 | 0 | 3,334 | 1,814 | 1,302 |
| Asphalt and Road Oil | 0 | 1,808 | 181 | -67 | 0 | -315 | 0 | 0 | (s) | 1,607 | 3,233 |
| Still Gas | 0 | 7,406 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,406 | 0 |
| Miscellaneous Products | 35 | 1,296 | (s) | -64 | 0 | -664 | - | 0 | 14 | 589 | 1,272 |
| Total | 168,856 | 193,595 | 46,093 | 23,566 | -22,001 | -101,587 | 4 | 185,687 | 15,074 | 107,758 | 853,077 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

Table 9. PAD District IV, Supply and Disposition of Crude Oil and Petroleum Products (Thousand Barrels)

| Commodity | Supply | | | | | Net Receipts | Disposition | | | | Ending Stocks |
|--|------------------|---------------------|---------|--------------------------------------|--|--------------|--------------|-----------------|---------|-------------------|---------------|
| | Field Production | Refinery Production | Imports | Stock Withdrawal (+) or Addition (-) | Unaccounted For Crude Oil ¹ | | Crude Losses | Refinery Inputs | Exports | Products Supplied | |
| | | | | | | | | | | | |
| Crude Oil (Including lease condensate) | E 17,735 | 0 | 1,092 | 204 | -5,520 | 0 | 0 | 13,503 | 0 | 8 | 13,686 |
| Natural Gas Liquids and LRGs | 2,940 | 65 | 882 | -17 | 0 | -1,302 | 0 | 579 | 0 | 1,989 | 1,139 |
| Liquefied Petroleum Gases | 2,102 | 65 | 709 | 9 | 0 | -1,101 | 0 | 387 | 0 | 1,397 | 944 |
| Pentanes Plus | 838 | 0 | 173 | -26 | 0 | -201 | 0 | 192 | 0 | 592 | 195 |
| Other Liquids | 0 | 0 | 0 | -68 | 0 | 0 | 0 | 18 | 0 | -86 | 4,613 |
| Other Hydrocarbons and Alcohol | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unfinished Oils | 0 | 0 | 0 | 318 | 0 | 0 | 0 | 289 | 0 | 29 | 2,459 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | -386 | 0 | 0 | 0 | -271 | 0 | -115 | 2,154 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 0 | 14,233 | 156 | -1,293 | 0 | -110 | 0 | 0 | 7 | 12,979 | 13,300 |
| Finished Motor Gasoline | 0 | 7,531 | 31 | -556 | 0 | -176 | 0 | 0 | 0 | 6,830 | 5,738 |
| Finished Leaded Motor Gasoline | 0 | 4,130 | 31 | -295 | 0 | -194 | 0 | 0 | 0 | 3,672 | 3,348 |
| Finished Unleaded Motor Gasoline | 0 | 3,401 | (s) | -261 | 0 | 18 | 0 | 0 | 0 | 3,158 | 2,390 |
| Finished Aviation Gasoline | 0 | 69 | 0 | -11 | 0 | 0 | 0 | 0 | 0 | 58 | 87 |
| Naphtha-Type Jet Fuel | 0 | 474 | 0 | -87 | 0 | -195 | 0 | 0 | 0 | 192 | 387 |
| Kerosene-Type Jet Fuel | 0 | 723 | 0 | 8 | 0 | 649 | 0 | 0 | 0 | 1,380 | 696 |
| Kerosene | 0 | 44 | 0 | 8 | 0 | 0 | 0 | 0 | 1 | 51 | 25 |
| Distillate Fuel Oil | 0 | 3,531 | 108 | -266 | 0 | -388 | 0 | 0 | 0 | 2,985 | 3,730 |
| Residual Fuel Oil | 0 | 353 | 15 | 11 | 0 | 0 | 0 | 0 | 0 | 379 | 608 |
| Naphtha and Other Oils for Petro. Feed. | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |
| Special Naphthas | 0 | 31 | (s) | -14 | 0 | 0 | 0 | 0 | 4 | 7 | 7 |
| Lubricants | 0 | 18 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 15 | 79 |
| Waxes | 0 | 320 | 0 | -9 | 0 | 0 | 0 | 0 | 0 | 19 | 12 |
| Petroleum Coke | 0 | 609 | 0 | -468 | 0 | 0 | 0 | 0 | 3 | 308 | 199 |
| Asphalt and Road Oil | 0 | 470 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 141 | 1,704 |
| Still Gas | 0 | 60 | (s) | 85 | 0 | 0 | 0 | 0 | 0 | 470 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 145 | 22 |
| Total | 20,675 | 14,298 | 2,130 | -1,174 | -5,520 | -1,412 | 0 | 14,100 | 7 | 14,890 | 32,738 |

¹ Unaccounted for crude oil is a balancing item.

(s) = Less than 500 barrels.

E = Estimated.

Note: Total may not equal sum of components due to independent rounding.

Sources and estimation procedures: See Explanatory Notes on Data Collection and Estimation.

—Continued

| PAD District and State | Production | |
|---|------------------|----------------|
| | Total | Daily Average |
| PAD District I | | |
| Florida | 1,148 | 37 |
| New York | E 71 | E 2 |
| Pennsylvania | E 363 | E 12 |
| Virginia | E 6 | E 0 |
| West Virginia | 329 | 11 |
| Adjustment 2 | -172 | -6 |
| Total PAD District I | E 1,745 | E 56 |
| PAD District II | | |
| Illinois | 2,623 | 85 |
| Indiana | 638 | 21 |
| Kansas | 6,628 | 214 |
| Kentucky | 714 | 23 |
| Michigan | 2,468 | 80 |
| Missouri | E 22 | E 1 |
| Nebraska | 565 | 18 |
| North Dakota | 4,515 | 146 |
| Ohio | E 1,271 | E 41 |
| Oklahoma | 13,941 | 450 |
| South Dakota | 121 | 4 |
| Tennessee | 80 | 3 |
| Adjustment 2 | -515 | -17 |
| Total PAD District II | E 33,071 | E 1,067 |
| PAD District III | | |
| Alabama | 1,662 | 54 |
| Arkansas | E 1,600 | E 52 |
| Louisiana | E 41,137 | E 1,327 |
| Gulf Coast | E 2,809 | E 91 |
| Rest of State | E 43,946 | E 1,418 |
| Total Louisiana | 2,730 | 88 |
| Mississippi | | |
| New Mexico | 655 | 21 |
| Northwestern | | |
| Southeastern | 6,101 | 197 |
| Total New Mexico | 6,756 | 218 |
| Texas | | |
| TRRC District 01 | 2,232 | 72 |
| TRRC District 02 | 3,323 | 107 |
| TRRC District 03 | E 10,350 | E 334 |
| TRRC District 04 | 2,519 | 81 |
| TRRC District 05 | 797 | 26 |
| TRRC District 06, excluding East Texas | 3,575 | 115 |
| TRRC District 07B | 3,023 | 98 |
| TRRC District 07C | 19,729 | 636 |
| TRRC District 08 | 18,008 | 581 |
| TRRC District 08A | 3,444 | 111 |
| TRRC District 09 | 1,763 | 57 |
| TRRC District 10 | 4,047 | 131 |
| East Texas | E 75,846 | E 2,447 |
| Total Texas | 1,411 | 46 |
| Adjustment 2 | | |
| Total PAD District III | E 133,951 | E 4,321 |
| PAD District IV | | |
| Colorado | E 2,424 | E 78 |
| Montana | E 2,461 | E 79 |
| Utah | E 2,728 | E 88 |
| Wyoming | E 10,116 | E 326 |
| Adjustment 2 | 0 | 0 |
| Total PAD District IV | E 17,729 | E 572 |
| PAD District V | | |
| Alaska | 1,743 | 56 |
| South Alaska | 51,927 | 1,675 |
| North Slope | -722 | -23 |
| Adjustment for Alaska ² | 52,948 | 1,708 |
| Total Alaska | 17 | 1 |
| Arizona | | |
| California | 6,497 | 210 |
| Central Coastal | 22,305 | 720 |
| East Central | 17 | 1 |
| North | 6,761 | 218 |
| South | 35,580 | 1,148 |
| Total California | 237 | 8 |
| Nevada | -1,027 | -33 |
| Adjustment for Arizona, California, and Nevada ² | 87,755 | 2,831 |
| Total PAD District V | E 274,251 | E 8,847 |
| United States Total | | |

¹ Includes the following offshore production (thousand barrels):

ALASKA: STATE - 1,729;
CALIFORNIA: FEDERAL - 2,652, STATE - 3,525;
LOUISIANA: FEDERAL - 27,950, STATE - 2,353;
TEXAS: FEDERAL - 1,829, STATE- 142;
U.S. TOTAL - 40,180

² These adjustments are used to reconcile the national and PADD level sums of the State data with the independently estimated U.S. and Alaskan figures shown in the Summary Statistics portion of this issue and with the PADD level figures published in a previous issue. Final data at the State, PAD District and national levels will be published without adjustments in the Petroleum Supply Annual.

Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.
- Data not available.
E = Estimated.

See footnotes at end of table.

Table 13. Refinery Input of Crude Oil and Petroleum Products by PAD Districts, Except Where Noted
(Thousand Barrels, Except Where Noted)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|--------|-----------------|-----------------|--------------------|------------------|--------|------------------|------------------|----------------|---------------|-----------------|---------|---------------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | Dist. V West Coast |
| Crude Oil (including lease condensate) | 34,550 | 2,813 | 37,363 | 1,824 | 53,275 | 9,009 | 20,241 | 84,349 | 15,082 | 81,477 | 58,448 | 5,443 | 1,435 | 161,885 | 13,503 | 67,403 | 364,503 |
| Pentanes Plus | 37 | 0 | 37 | 0 | 564 | 95 | 916 | 1,575 | 1,247 | 2,742 | 365 | 80 | 72 | 4,506 | 192 | 257 | 6,567 |
| Liquefied Petroleum Gases | 119 | 93 | 212 | 187 | 2,598 | 610 | 1,147 | 4,542 | 755 | 2,089 | 1,675 | 158 | 60 | 4,737 | 387 | 999 | 10,877 |
| Ethane | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 0 | 47 |
| Propane | 0 | 0 | 0 | 0 | 76 | 0 | 0 | 76 | 0 | 1 | 29 | 0 | 0 | 30 | 0 | 1 | 107 |
| Normal Butane | 72 | 93 | 165 | 110 | 1,651 | 504 | 697 | 2,962 | 441 | 1,440 | 1,136 | 80 | 33 | 3,130 | 322 | 775 | 7,354 |
| Isobutane | 47 | 0 | 47 | 77 | 871 | 106 | 450 | 1,504 | 314 | 648 | 463 | 78 | 27 | 1,530 | 65 | 223 | 3,369 |
| Other Liquids | 0 | 0 | 0 | 0 | 148 | 0 | 5 | 153 | 1 | 276 | 301 | 0 | 0 | 578 | 0 | 274 | 1,005 |
| Other Hydrocarbons and Alcohol | 4,643 | 88 | 4,731 | -17 | 2,255 | -31 | 430 | 2,637 | 632 | 7,053 | 1,507 | 56 | 23 | 9,271 | 289 | 1,039 | 17,967 |
| Unfinished Oil (net) | | | | | | | | | | | | | | | | | |
| Motor Gasoline Blending | 1,551 | -26 | 1,525 | 7 | 39 | -102 | 226 | 170 | 23 | 3,055 | 1,559 | 24 | 43 | 4,704 | -271 | 1,005 | 7,133 |
| Components (net) | | | | | | | | | | | | | | | | | |
| Aviation Gasoline Blending | 0 | 0 | 0 | 0 | -41 | 0 | 33 | -8 | 0 | -7 | 13 | 0 | 0 | 6 | 0 | -10 | -12 |
| Components (net) | | | | | | | | | | | | | | | | | |
| Total Input to Refineries | 40,900 | 2,968 | 43,868 | 2,001 | 58,838 | 9,581 | 22,998 | 93,418 | 17,740 | 96,685 | 63,868 | 5,761 | 1,633 | 185,687 | 14,100 | 70,967 | 408,040 |
| Crude Oil Distillation | | | | | | | | | | | | | | | | | |
| Gross Input (daily average) | 1,144 | 91 | 1,235 | 59 | 1,728 | 305 | 665 | 2,757 | 493 | 2,678 | 1,934 | 178 | 46 | 5,329 | 436 | 2,179 | 11,936 |
| Operable Capacity (daily average) | 1,405 | 174 | 1,579 | 66 | 2,329 | 304 | 744 | 3,443 | 557 | 3,766 | 2,470 | 290 | 54 | 7,137 | 549 | 3,023 | 15,731 |
| Operating Ratio (percent) ¹ | 81.4 | 52.0 | 78.2 | 89.1 | 74.2 | 100.4 | 89.4 | 80.1 | 88.5 | 71.1 | 78.3 | 61.4 | 85.7 | 74.7 | 79.4 | 72.1 | 75.9 |
| Crude Oil Qualities | | | | | | | | | | | | | | | | | |
| Sulfur Content, Weighted Average (percent) | .85 | .58 | .83 | .35 | .76 | 1.77 | .48 | .79 | .60 | 1.06 | .79 | 1.53 | .79 | .93 | .99 | 1.05 | .91 |
| API Gravity, Weighted Average | 31.85 | 39.41 | 32.40 | 32.12 | 36.85 | 30.63 | 37.71 | 36.29 | 38.89 | 35.04 | 32.50 | 33.19 | 38.96 | 34.44 | 35.53 | 25.28 | 32.93 |
| Operable Capacity (daily average) | 1,405 | 174 | 1,579 | 66 | 2,329 | 304 | 744 | 3,443 | 557 | 3,766 | 2,470 | 290 | 54 | 7,137 | 549 | 3,023 | 15,731 |
| Operating | 1,300 | 110 | 1,410 | 66 | 2,020 | 299 | 744 | 3,129 | 522 | 3,365 | 2,316 | 236 | 54 | 6,493 | 530 | 2,786 | 14,347 |
| Idle | 105 | 64 | 169 | 0 | 309 | 5 | 0 | 314 | 35 | 401 | 154 | 54 | 0 | 644 | 20 | 237 | 1,384 |

¹ Represents gross input divided by operable capacity.
Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 14. Refinery Production of Petroleum Products by PAD District, December 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|--|----------------|----------------|--------|-----------------|-----------------|--------------------|------------------|--------|------------------|------------------|----------------|---------------|-----------------|---------|---------------|------------------------|---------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | PAD Dist. V West Coast | |
| | | | | | | | | | | | | | | | | | |
| Liquefied Refinery Gases | 1,191 | 32 | 1,223 | 35 | 1,822 | 228 | 454 | 2,539 | -118 | 2,407 | 2,543 | 74 | 42 | 4,948 | 65 | 1,196 | 9,971 |
| For Petrochemical Feedstock Use | 444 | 0 | 444 | 0 | 255 | 10 | 67 | 332 | 36 | 1,331 | 1,746 | 1 | 0 | 3,114 | 1 | 134 | 4,025 |
| For Other Uses | 747 | 32 | 779 | 35 | 1,567 | 218 | 387 | 2,207 | -154 | 1,076 | 797 | 73 | 42 | 1,834 | 64 | 1,062 | 5,946 |
| Ethane | 4 | 0 | 4 | 0 | 0 | 2 | 0 | 2 | 0 | 264 | 17 | 0 | 0 | 281 | 0 | 0 | 287 |
| For Petrochemical Feedstock Use | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 192 | 0 | 0 | 0 | 192 | 0 | 0 | 192 |
| For Other Uses | 4 | 0 | 4 | 0 | 0 | 2 | 0 | 2 | 0 | 72 | 17 | 0 | 0 | 89 | 0 | 0 | 95 |
| Propane | 1,031 | 32 | 1,063 | 35 | 1,752 | 216 | 502 | 2,505 | 185 | 2,553 | 1,103 | 72 | 37 | 3,950 | 167 | 1,091 | 8,776 |
| For Petrochemical Feedstock Use | 359 | 0 | 359 | 0 | 188 | 0 | 67 | 255 | 36 | 1,146 | 238 | 0 | 0 | 1,420 | 0 | 135 | 2,169 |
| For Other Uses | 672 | 32 | 704 | 35 | 1,564 | 216 | 435 | 2,250 | 149 | 1,407 | 865 | 72 | 37 | 2,530 | 167 | 956 | 6,607 |
| Normal Butane | 156 | 0 | 156 | 0 | 3 | 10 | -48 | -35 | -303 | -398 | 1,423 | 2 | 5 | 729 | -104 | 105 | 851 |
| For Petrochemical Feedstock Use | 85 | 0 | 85 | 0 | 0 | 10 | 0 | 10 | 0 | 5 | 1,508 | 1 | 0 | 1,514 | -1 | 1,607 | 1,607 |
| For Other Uses | 71 | 0 | 71 | 0 | 3 | 0 | -48 | -45 | -303 | -403 | -85 | 1 | 5 | -785 | -103 | 106 | -756 |
| Isobutane for Petro. Feed. Use | 0 | 0 | 0 | 0 | 67 | 0 | 0 | 67 | 0 | -12 | 0 | 0 | 0 | -12 | 2 | 0 | 57 |
| Finished Motor Gasoline | 18,938 | 1,210 | 20,148 | 1,161 | 33,480 | 4,979 | 12,876 | 52,496 | 9,897 | 48,068 | 28,806 | 1,805 | 852 | 89,428 | 7,531 | 32,295 | 201,898 |
| Finished Leaded Motor Gasoline | 5,766 | 508 | 6,274 | 459 | 11,521 | 2,316 | 6,706 | 21,002 | 4,855 | 15,355 | 9,998 | 708 | 431 | 31,347 | 4,130 | 11,913 | 74,666 |
| Finished Unleaded Motor Gasoline | 13,172 | 702 | 13,874 | 702 | 21,959 | 2,663 | 6,170 | 31,494 | 5,042 | 32,713 | 18,808 | 1,097 | 421 | 58,081 | 3,401 | 20,382 | 127,232 |
| Finished Aviation Gasoline | 20 | 0 | 20 | 0 | 51 | 0 | 7 | 58 | 8 | 156 | 146 | 0 | 0 | 310 | 69 | 174 | 631 |
| Naphtha-Type Jet Fuel | 843 | 29 | 872 | 0 | 590 | 121 | 157 | 868 | 795 | 956 | 877 | 132 | 255 | 3,015 | 474 | 1,452 | 6,681 |
| Kerosene-Type Jet Fuel | 1,210 | 0 | 1,210 | -41 | 2,655 | 304 | 784 | 3,702 | 956 | 7,469 | 7,195 | 6 | 56 | 15,682 | 723 | 7,540 | 28,857 |
| Kerosene | 205 | 110 | 315 | 143 | 972 | 169 | 29 | 1,313 | 37 | 1,186 | 1,484 | 24 | 0 | 2,731 | 44 | 296 | 4,699 |
| Distillate Fuel Oil | 9,782 | 738 | 10,520 | 530 | 13,383 | 2,597 | 6,479 | 22,989 | 3,955 | 19,478 | 13,438 | 1,704 | 292 | 38,867 | 3,531 | 10,953 | 86,860 |
| Residual Fuel Oil | 4,828 | 207 | 5,035 | 72 | 1,852 | 319 | 338 | 2,581 | 831 | 7,339 | 4,209 | 263 | 12 | 12,654 | 353 | 12,088 | 32,711 |
| Naphtha < 400 Deg. For Petro. Feed. Use | 376 | 0 | 376 | 0 | 454 | 0 | 95 | 549 | 106 | 1,635 | 98 | 0 | 0 | 1,839 | 0 | 164 | 2,928 |
| Other Oils > 400 Deg. For Petro. Feed. Use | 8 | 0 | 8 | 0 | 142 | 0 | 0 | 142 | 92 | 3,666 | 1,585 | 0 | 0 | 5,343 | 0 | 202 | 5,695 |
| Special Naphthas | 14 | 27 | 41 | 0 | 154 | 0 | 164 | 318 | 104 | 599 | -46 | 149 | 0 | 806 | 0 | 91 | 1,256 |
| Lubricants | 235 | 338 | 573 | 0 | 518 | 0 | 362 | 880 | 15 | 1,598 | 445 | 422 | 0 | 2,480 | 31 | 302 | 4,266 |
| Waxes | 0 | 75 | 75 | 0 | 16 | 0 | 32 | 48 | 8 | 88 | 62 | 59 | 0 | 217 | 18 | 73 | 431 |
| Petroleum Coke | 1,020 | 19 | 1,039 | 27 | 2,042 | 538 | 587 | 3,194 | 303 | 2,444 | 1,933 | 74 | 11 | 4,765 | 320 | 3,637 | 12,955 |
| Marketable | 370 | 0 | 370 | 0 | 1,033 | 415 | 433 | 1,881 | 60 | 982 | 1,282 | 49 | 0 | 2,373 | 161 | 2,787 | 7,572 |
| Catalyst | 650 | 19 | 669 | 27 | 1,009 | 123 | 154 | 1,313 | 243 | 1,462 | 651 | 25 | 11 | 2,392 | 159 | 850 | 5,383 |
| Asphalt and Road Oil | 2,352 | 74 | 2,426 | 63 | 1,507 | 366 | 597 | 2,533 | 215 | 173 | 414 | 906 | 100 | 1,808 | 609 | 902 | 8,278 |
| Still Gas | 1,721 | 112 | 1,833 | 60 | 2,356 | 299 | 674 | 3,389 | 441 | 4,612 | 2,157 | 156 | 40 | 7,406 | 470 | 3,405 | 16,503 |
| For Petrochemical Feedstock Use | 66 | 0 | 66 | 0 | 1 | 0 | 0 | 1 | 3 | 564 | 151 | 0 | 0 | 718 | 20 | 105 | 910 |
| For Other Uses | 1,655 | 112 | 1,767 | 60 | 2,355 | 299 | 674 | 3,388 | 438 | 4,048 | 2,006 | 156 | 40 | 6,688 | 450 | 3,300 | 15,593 |
| Miscellaneous Products | 103 | 45 | 148 | 2 | 83 | 40 | 7 | 132 | 44 | 580 | 634 | 38 | 0 | 1,296 | 60 | 149 | 1,785 |
| Fuel Use | 0 | 21 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | -160 | 255 | 1 | 0 | 96 | 14 | 15 | 146 |
| Non-Fuel Use | 103 | 24 | 127 | 2 | 83 | 40 | 7 | 132 | 44 | 740 | 379 | 37 | 0 | 1,200 | 46 | 134 | 1,639 |
| Total Production | 42,846 | 3,016 | 45,862 | 2,052 | 62,077 | 9,960 | 23,642 | 97,731 | 17,689 | 102,454 | 65,980 | 5,812 | 1,660 | 193,595 | 14,298 | 74,919 | 426,405 |
| Processing Gain(-) or Loss(+) ¹ | -1,946 | -48 | -1,994 | -51 | -3,239 | -379 | -644 | -4,313 | 51 | -5,769 | -2,112 | -51 | -27 | -7,908 | -198 | -3,952 | -18,365 |

¹ Represents the arithmetic difference between input and output.

Note: See Explanatory Note 2.

Source: See Explanatory Notes on Data Collection and Estimation.

| Commodity | PAD District I | | | PAD District II | | | | PAD District III | | | | PAD District IV | | United States | | | |
|--|----------------|----------------|-------|-----------------|-----------------|---------------------|-------------------|------------------|--------|------------|----------------|-----------------|------------|---------------|-------|-----------|--------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas | | La. Gulf Coast | No. La., Ark. | New Mexico | | Total | Rocky Mt. | Dist. V West Coast |
| | | | | | | | | | Inland | Gulf Coast | | | | | | | |
| Finished Motor Gasoline ² | 44.0 | 39.4 | 43.6 | 53.5 | 54.3 | 48.7 | 51.2 | 52.9 | 50.1 | 45.1 | 41.5 | 28.1 | 46.4 | 43.8 | 52.4 | 43.5 | 46.1 |
| Finished Aviation Gasoline ³ | .1 | .0 | .0 | .0 | .2 | .0 | -.1 | .1 | .1 | .2 | .2 | .0 | .0 | .2 | .5 | .3 | .2 |
| Liquefied Refinery Gases | 3.0 | 1.1 | 2.9 | 1.9 | 3.3 | 2.5 | 2.2 | 2.9 | -8 | 2.7 | 4.2 | 1.3 | 2.9 | 2.9 | .5 | 1.7 | 2.6 |
| Naphtha-Type Jet Fuel | 2.2 | 1.0 | 2.1 | 0 | 1.1 | 1.3 | .8 | 1.0 | 5.1 | 1.1 | 1.5 | 2.4 | 17.5 | 1.8 | 3.4 | 2.1 | 1.7 |
| Kerosene-Type Jet Fuel | 3.1 | 0 | 2.9 | -2.3 | 4.8 | 3.4 | 3.8 | 4.3 | 6.1 | 8.4 | 12.0 | .1 | 3.8 | 9.2 | 5.2 | 11.0 | 7.5 |
| Kerosene | .5 | 3.8 | .7 | 7.9 | 1.8 | 1.9 | .1 | 1.5 | 2 | 1.3 | 2.5 | .4 | .0 | 1.6 | .3 | .4 | 1.2 |
| Distillate Fuel Oil | 25.0 | 25.4 | 25.0 | 29.3 | 24.1 | 28.9 | 31.3 | 26.4 | 25.2 | 22.0 | 22.4 | 31.0 | 20.0 | 22.7 | 25.6 | 16.0 | 22.7 |
| Residual Fuel Oil | 12.3 | 7.1 | 12.0 | 4.0 | 3.3 | 3.6 | 1.6 | 3.0 | 5.3 | 8.3 | 7.0 | 4.8 | .8 | 7.4 | 2.6 | 17.7 | 8.6 |
| Naphtha < 400 Deg. F. Petro. Feed. Use | 1.0 | 0 | .9 | 0 | .8 | 0 | .5 | .6 | .7 | 1.8 | .2 | .0 | 0 | 1.1 | 0 | .2 | .8 |
| Other Oils > 400 Deg. F. Petro. Feed. Use | .0 | 0 | .0 | 0 | .3 | 0 | .8 | .2 | .6 | 4.1 | 2.6 | .0 | 0 | 3.1 | .0 | .3 | 1.5 |
| Special Naphthas | .0 | .9 | .1 | 0 | .3 | 0 | .7 | .4 | .7 | .7 | -.1 | 2.7 | 0 | .5 | .0 | .1 | .3 |
| Lubricants | .6 | 11.7 | 1.4 | 0 | .9 | 0 | 1.8 | 1.0 | .1 | 1.8 | .7 | 7.7 | 0 | 1.4 | .2 | .4 | 1.1 |
| Waxes | 0 | 2.6 | .2 | 0 | .0 | 0 | .2 | .1 | .1 | .1 | .1 | 1.1 | 0 | .1 | .1 | .1 | .1 |
| Petroleum Coke | 2.6 | .7 | 2.5 | 1.5 | 3.7 | 6.0 | 2.8 | 3.7 | 1.9 | 2.8 | 3.2 | 1.3 | .8 | 2.8 | 2.3 | 5.3 | 3.4 |
| Asphalt and Road Oil | 6.0 | 2.6 | 5.8 | 3.5 | 2.7 | 4.1 | 2.9 | 2.9 | 1.4 | .2 | .7 | 16.5 | 6.9 | 1.1 | 4.4 | 1.3 | 2.2 |
| Still Gas | 4.4 | 3.9 | 4.4 | 3.3 | 4.2 | 3.3 | 3.3 | 3.9 | 2.8 | 5.2 | 3.6 | 2.8 | 2.7 | 4.3 | 3.4 | 5.0 | 4.3 |
| Miscellaneous Products | .3 | 1.6 | .4 | .1 | .1 | .4 | .0 | .2 | .3 | .7 | 1.1 | .7 | 0 | .8 | .4 | .2 | .5 |
| Processing Gain(-) or Loss(+) ⁴ | -5.0 | -1.7 | -4.7 | -2.8 | -5.8 | -4.2 | -3.1 | -5.0 | .3 | -6.5 | -3.5 | -9 | -1.9 | -4.6 | -1.4 | -5.8 | -4.8 |

¹ Based on crude oil input and net reruns of unfinished oils.

² Based on total finished motor gasoline output plus net output of motor gasoline blending components, minus input of natural gas plant liquids, other hydrocarbons and alcohol.

³ Based on finished aviation gasoline output plus net output of aviation gasoline blending components.

⁴ Represents the difference between Input and Production.

Note: Total may not equal sum of components due to independent rounding.

Note: See Explanatory 2.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 16. Imports of Crude Oil and Petroleum Products by PAD District, December 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|---------------|---------------|--------------|--------------|----------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) 1 2 | 33,073 | 15,531 | 40,038 | 1,092 | 7,179 | 96,913 |
| Natural Gas Liquids | 1,761 | 4,366 | 975 | 882 | 409 | 8,392 |
| Pentanes Plus | 870 | 0 | 0 | 173 | 0 | 1,043 |
| Liquefied Petroleum Gases | 891 | 4,366 | 975 | 709 | 409 | 7,349 |
| Ethane | 68 | 1,591 | 0 | 0 | 0 | 1,660 |
| Propane | 516 | 1,591 | 171 | 295 | 51 | 2,624 |
| Normal Butane | 184 | 710 | 491 | 249 | 214 | 1,848 |
| Isobutane | 123 | 474 | 313 | 166 | 143 | 1,218 |
| Other Liquids 1 | 3,332 | 219 | 3,252 | 0 | 477 | 7,279 |
| Unfinished Oils 1 | 2,289 | 219 | 3,252 | 0 | 0 | 5,760 |
| Motor Gasoline Blending Components | 1,043 | 0 | 0 | 0 | 477 | 1,519 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Petroleum Products | 35,521 | 518 | 1,828 | 156 | 1,587 | 39,609 |
| Finished Motor Gasoline | 8,758 | 35 | 248 | 31 | 472 | 9,544 |
| Finished Leaded Motor Gasoline | 3,731 | 27 | 248 | 31 | 75 | 4,112 |
| Finished Unleaded Motor Gasoline | 5,027 | 8 | 0 | (s) | 397 | 5,432 |
| Finished Aviation Gasoline | 1 | 0 | 0 | 0 | 0 | 1 |
| Naphtha-Type Jet Fuel | 7 | 0 | 0 | 0 | 0 | 7 |
| Kerosene-Type Jet Fuel | 545 | 0 | 0 | 0 | 0 | 545 |
| Bonded Aircraft Fuel | 16 | 0 | 0 | 0 | 0 | 16 |
| Other | 528 | 0 | 0 | 0 | 345 | 874 |
| Kerosene | 633 | 0 | 0 | 0 | 0 | 633 |
| Distillate Fuel Oil | 5,466 | 188 | 0 | 108 | 123 | 5,886 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 5,466 | 188 | 0 | 108 | 123 | 5,886 |
| Residual Fuel Oil | 18,612 | 157 | 185 | 15 | 479 | 19,449 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 18,612 | 157 | 185 | 15 | 479 | 19,449 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 43 | 8 | 380 | 0 | 36 | 467 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 28 | 28 |
| Special Naphthas | 673 | 79 | 808 | 1 | 8 | 1,567 |
| Lubricants | 70 | 12 | 22 | (s) | 15 | 119 |
| Waxes | 5 | 6 | 5 | 0 | 11 | 26 |
| Asphalt and Road Oil | 709 | 0 | 181 | 0 | 69 | 959 |
| Miscellaneous Products | 1 | 32 | (s) | (s) | 1 | 34 |
| Total Imports | 73,686 | 20,634 | 46,093 | 2,130 | 9,651 | 152,194 |

1 Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

2 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 17. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January 1999

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|--|--|----------------|----------------|---------------|----------------|------------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ^{1 2} | 341,090 | 182,970 | 635,109 | 12,233 | 73,892 | 1,245,294 |
| Natural Gas Liquids | 15,931 | 49,175 | 10,228 | 6,699 | 6,171 | 88,203 |
| Pentanes plus | 9,042 | 0 | 5,359 | 1,295 | 1,097 | 16,793 |
| Liquefied Petroleum Gases | 6,889 | 49,175 | 4,868 | 5,404 | 5,074 | 71,411 |
| Ethane | 437 | 23,979 | 0 | 0 | 1 | 24,417 |
| Propane | 4,129 | 15,359 | 1,768 | 2,557 | 756 | 24,569 |
| Normal Butane | 1,393 | 5,908 | 1,939 | 1,708 | 2,590 | 13,538 |
| Isobutane | 929 | 3,930 | 1,162 | 1,139 | 1,727 | 8,886 |
| Other Liquids ¹ | 36,269 | 3,896 | 60,274 | 0 | 12,695 | 113,133 |
| Unfinished Oils ¹ | 20,008 | 3,821 | 55,885 | 0 | 4,449 | 84,163 |
| Motor Gasoline Blending Components | 16,261 | 75 | 4,388 | 0 | 8,240 | 28,965 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 6 | 6 |
| Finished Petroleum Products | 432,538 | 11,485 | 58,243 | 2,312 | 18,410 | 522,987 |
| Finished Motor Gasoline | 90,735 | 1,436 | 6,710 | 685 | 7,041 | 106,607 |
| Finished Lead Motor Gasoline | 40,722 | 940 | 3,586 | 658 | 2,478 | 48,384 |
| Finished Unleaded Motor Gasoline | 50,013 | 495 | 3,124 | 27 | 4,563 | 58,223 |
| Finished Aviation Gasoline | 588 | 0 | 0 | 2 | 13 | 603 |
| Naphtha-Type Jet Fuel | 2,666 | 0 | 1,888 | 0 | 14 | 4,568 |
| Kerosene-Type Jet Fuel | 14,226 | 0 | 0 | 0 | 1,927 | 16,153 |
| Bonded Aircraft Fuel | 16 | 0 | 0 | 0 | 0 | 16 |
| Other | 14,210 | 0 | 0 | 0 | 1,927 | 16,137 |
| Kerosene | 4,122 | 0 | 461 | 0 | (s) | 4,584 |
| Distillate Fuel Oil | 91,194 | 2,959 | 1,029 | 1,425 | 2,136 | 98,742 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 91,194 | 2,959 | 1,029 | 1,425 | 2,136 | 98,742 |
| Residual Fuel Oil | 216,570 | 1,918 | 23,243 | 158 | 4,728 | 246,617 |
| Bonded Ships Bunkers | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 216,570 | 1,918 | 23,243 | 158 | 4,728 | 246,617 |
| Naphtha < 400 Deg. for Petro. Feed. Use | 790 | 134 | 10,975 | 0 | 36 | 11,935 |
| Other Oils > 400 Deg. for Petro. Feed. Use | 0 | 0 | 0 | 0 | 28 | 28 |
| Special Naphthas | 3,648 | 4,182 | 11,462 | 5 | 1,180 | 20,476 |
| Lubricants | 2,428 | 139 | 350 | 2 | 758 | 3,676 |
| Waxes | 154 | 86 | 203 | 0 | 47 | 490 |
| Asphalt and Road Oil | 3,947 | 170 | 431 | 33 | 467 | 5,048 |
| Miscellaneous Products | 1,469 | 463 | 1,492 | 2 | 36 | 3,461 |
| Total Imports | 825,827 | 247,526 | 763,853 | 21,243 | 111,167 | 1,969,617 |

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, December 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|-------------|-------|-------------------------|---|-------------------------------|-------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 3,813 | 0 | 0 | 0 | 0 | 0 | 0 | 420 | 2,184 | 414 | 0 | 3,018 | 6,831 | 220 |
| Iraq | 978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 978 | 32 |
| Kuwait | 1,576 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,576 | 51 |
| Qatar | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 39 | 1 |
| Saudi Arabia | 4,755 | 441 | 0 | 260 | 1,056 | 0 | 0 | 0 | 0 | 0 | 0 | 1,757 | 6,512 | 210 |
| United Arab Emirates | 6,548 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,548 | 211 |
| Subtotal Arab OPEC | 17,670 | 480 | 0 | 260 | 1,056 | 0 | 0 | 420 | 2,184 | 414 | 0 | 4,814 | 22,484 | 725 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 672 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 278 | 0 | 0 | 278 | 950 | 31 |
| Gabon | 1,848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,848 | 60 |
| Indonesia | 9,720 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,720 | 314 |
| Iran | 387 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 387 | 12 |
| Nigeria | 4,930 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,930 | 159 |
| Venezuela | 5,373 | 0 | 1,237 | 0 | 472 | 233 | 0 | 2,014 | 4,093 | 0 | 507 | 8,557 | 13,930 | 449 |
| Subtotal Other OPEC | 22,929 | 0 | 1,237 | 0 | 472 | 233 | 0 | 2,014 | 4,371 | 0 | 507 | 8,836 | 31,765 | 1,025 |
| Other | | | | | | | | | | | | | | |
| Angola | 1,872 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,872 | 60 |
| Australia | 1,642 | 0 | 0 | 0 | 127 | 191 | 0 | 35 | 337 | 0 | 0 | 690 | 2,332 | 75 |
| Bahamas | 0 | 0 | 669 | 0 | 0 | 49 | 0 | 344 | 752 | 227 | 275 | 2,315 | 2,315 | 75 |
| Brazil | 0 | 0 | 230 | 101 | 1,085 | 214 | 0 | 0 | 981 | 21 | 36 | 2,668 | 2,668 | 86 |
| Canada | 12,352 | 5,844 | 224 | 0 | 503 | 7 | 7 | 605 | 1,295 | 113 | 434 | 9,031 | 21,383 | 690 |
| Congo | 1,055 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170 | 0 | 170 | 1,225 | 1,225 | 40 |
| France | 0 | 0 | 0 | 0 | 207 | 0 | 0 | 0 | 0 | 0 | 1 | 207 | 207 | 7 |
| Mexico | 18,419 | 407 | 914 | 0 | 575 | 49 | 0 | 0 | 336 | 295 | 210 | 2,786 | 21,205 | 684 |
| Netherlands | 0 | 0 | 0 | 0 | 1,062 | 0 | 0 | 471 | 0 | 0 | 89 | 1,622 | 1,622 | 52 |
| Netherlands Antilles | 0 | 0 | 1,119 | 0 | 0 | 0 | 0 | 0 | 2,750 | 249 | 258 | 4,375 | 4,375 | 141 |
| Norway | 2,124 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,124 | 69 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 281 | 0 | 281 | 281 | 281 | 9 |
| People's Republic of China | 731 | 0 | 0 | 477 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 477 | 1,208 | 39 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 | 0 | 152 | 152 | 152 | 5 |
| Puerto Rico | 0 | 0 | 219 | 0 | 676 | 0 | 0 | 198 | 74 | 244 | 27 | 1,438 | 1,438 | 46 |
| Romania | 0 | 0 | 0 | 551 | 0 | 0 | 0 | 0 | 0 | 0 | 765 | 1,316 | 1,316 | 42 |
| Spain | 0 | 0 | 0 | 0 | 162 | 0 | 0 | 0 | 165 | 0 | 0 | 327 | 327 | 11 |
| Trinidad and Tobago | 2,843 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198 | 0 | 0 | 198 | 3,041 | 98 |
| United Kingdom | 9,708 | 618 | 0 | 0 | 116 | 0 | 0 | 0 | 0 | 0 | 0 | 734 | 10,443 | 337 |
| Virgin Islands | 0 | 0 | 212 | 0 | 1,459 | 48 | 626 | 945 | 4,000 | 0 | 0 | 7,291 | 7,291 | 235 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Zaire | 1,237 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,237 | 40 |
| Other Western Hemisphere | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 381 | 0 | 15 | 396 | 547 | 18 |
| Other Eastern Hemisphere | 4,181 | 0 | 936 | 131 | 2,044 | 106 | 0 | 855 | 1,021 | 4 | 59 | 5,155 | 9,335 | 301 |
| Subtotal Other | 56,314 | 6,869 | 4,523 | 1,259 | 8,016 | 664 | 633 | 3,452 | 12,894 | 1,153 | 2,169 | 41,631 | 97,945 | 3,160 |
| Total Imports | 96,913 | 7,349 | 5,760 | 1,519 | 9,544 | 897 | 633 | 5,886 | 19,449 | 1,567 | 2,676 | 55,281 | 152,194 | 4,909 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, December 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|------------|------------------|------------------------------|-------------------------|------------|------------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 2,709 | 0 | 0 | 0 | 0 | 0 | 0 | 420 | 2,184 | 0 | 0 | 2,604 | 5,312 | 171 |
| Kuwait | 782 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 782 | 25 |
| Qatar | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 39 | 1 |
| Saudi Arabia | 2,510 | 201 | 0 | 260 | 1,056 | 0 | 0 | 0 | 0 | 0 | 0 | 1,517 | 4,027 | 130 |
| United Arab Emirates | 390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 390 | 13 |
| Subtotal Arab OPEC | 6,390 | 240 | 0 | 260 | 1,056 | 0 | 0 | 420 | 2,184 | 0 | 0 | 4,159 | 10,550 | 340 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 278 | 0 | 0 | 278 | 278 | 9 |
| Gabon | 793 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 793 | 26 |
| Indonesia | 2,377 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,377 | 77 |
| Nigeria | 2,691 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,691 | 87 |
| Venezuela | 1,891 | 0 | 0 | 0 | 472 | 233 | 0 | 2,014 | 4,093 | 0 | 451 | 7,263 | 9,154 | 295 |
| Subtotal Other OPEC | 7,751 | 0 | 0 | 0 | 472 | 233 | 0 | 2,014 | 4,371 | 0 | 451 | 7,542 | 15,293 | 493 |
| Other | | | | | | | | | | | | | | |
| Angola | 1,872 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,872 | 60 |
| Australia | 630 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 630 | 20 |
| Bahamas | 0 | 0 | 197 | 0 | 0 | 0 | 0 | 344 | 752 | 0 | 0 | 1,293 | 1,293 | 42 |
| Brazil | 0 | 0 | 230 | 101 | 1,085 | 214 | 0 | 0 | 981 | 0 | 36 | 2,646 | 2,646 | 85 |
| Canada | 1,691 | 361 | 5 | 0 | 294 | 7 | 7 | 308 | 1,118 | 26 | 203 | 2,328 | 4,020 | 130 |
| Congo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 170 | 0 | 0 | 170 | 170 | 5 |
| France | 0 | 0 | 0 | 0 | 207 | 0 | 0 | 0 | 0 | (s) | 0 | 207 | 207 | 7 |
| Mexico | 3,689 | 0 | 0 | 0 | 575 | 49 | 0 | 0 | 329 | 295 | 0 | 1,248 | 4,937 | 159 |
| Netherlands | 0 | 0 | 0 | 0 | 1,062 | 0 | 0 | 471 | 0 | 0 | 0 | 1,533 | 1,533 | 49 |
| Netherlands Antilles | 0 | 0 | 1,119 | 0 | 0 | 0 | 0 | 0 | 2,750 | 249 | 216 | 4,333 | 4,333 | 140 |
| Norway | 1,051 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,051 | 34 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 281 | 0 | 0 | 281 | 281 | 9 |
| People's Republic of China | 731 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 152 | 0 | 0 | 152 | 152 | 24 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198 | 74 | 103 | 27 | 1,049 | 1,049 | 34 |
| Puerto Rico | 0 | 0 | 219 | 0 | 428 | 0 | 0 | 0 | 0 | 0 | 765 | 1,316 | 1,316 | 42 |
| Romania | 0 | 0 | 0 | 551 | 162 | 0 | 0 | 0 | 165 | 0 | 0 | 327 | 327 | 11 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 198 | 0 | 0 | 198 | 728 | 23 |
| Trinidad and Tobago | 530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 407 | 7,905 | 255 |
| United Kingdom | 7,498 | 290 | 0 | 0 | 116 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 7,291 | 235 |
| Virgin Islands | 0 | 0 | 212 | 0 | 1,459 | 48 | 626 | 945 | 4,000 | 0 | 0 | 0 | 7,291 | 0 |
| Yugoslavia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Zaire | 1,237 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,237 | 40 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 199 | 0 | 0 | 199 | 199 | 6 |
| Other Eastern Hemisphere | 1 | 0 | 308 | 131 | 1,841 | 0 | 0 | 766 | 888 | 0 | (s) | 3,933 | 3,934 | 127 |
| Subtotal Other | 18,931 | 651 | 2,289 | 783 | 7,230 | 318 | 633 | 3,032 | 12,057 | 673 | 1,247 | 28,912 | 47,843 | 1,543 |
| Total Imports | 33,073 | 891 | 2,289 | 1,043 | 8,758 | 551 | 633 | 5,466 | 18,612 | 673 | 1,698 | 40,613 | 73,686 | 2,377 |

See footnotes at end of table.

Table 18. Imports of Crude Oil and Petroleum Products by Source and PAD District, December 1984
(Thousand Barrels) (continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|---------------|--------------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 254 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 254 | 8 |
| Saudi Arabia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Arab Emirates | 510 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 510 | 16 |
| Subtotal Arab OPEC | 765 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 765 | 25 |
| Other OPEC | | | | | | | | | | | | | | |
| Nigeria | 483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 483 | 16 |
| Subtotal Other OPEC | 483 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 483 | 16 |
| Other | | | | | | | | | | | | | | |
| Canada | 9,450 | 4,366 | 219 | 0 | 35 | 0 | 0 | 188 | 157 | 79 | 58 | 5,102 | 14,553 | 469 |
| Congo | 479 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 479 | 15 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 3,888 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,888 | 125 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Trinidad and Tobago | 465 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 465 | 15 |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Subtotal Other | 14,283 | 4,366 | 219 | 0 | 35 | 0 | 0 | 188 | 157 | 79 | 58 | 5,102 | 19,386 | 625 |
| Total Imports | 15,531 | 4,366 | 219 | 0 | 35 | 0 | 0 | 188 | 157 | 79 | 58 | 5,102 | 20,634 | 666 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 850 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 414 | 0 | 414 | 1,265 | 41 |
| Iraq | 978 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 978 | 32 |
| Kuwait | 794 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 794 | 26 |
| Saudi Arabia | 2,246 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 240 | 2,486 | 80 |
| United Arab Emirates | 5,647 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,647 | 182 |
| Subtotal Arab OPEC | 10,515 | 240 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 414 | 0 | 655 | 11,170 | 360 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 672 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 672 | 22 |
| Gabon | 1,055 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,055 | 34 |
| Indonesia | 1,294 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,294 | 42 |
| Iran | 387 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 387 | 12 |
| Nigeria | 1,756 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,756 | 57 |
| Venezuela | 3,481 | 0 | 1,237 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 1,294 | 4,775 | 154 |
| Subtotal Other OPEC | 8,645 | 0 | 1,237 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 1,294 | 9,939 | 321 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 472 | 0 | 0 | 0 | 0 | 0 | 0 | 227 | 275 | 974 | 974 | 31 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 21 | 21 | 1 |
| Canada | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) |
| Congo | 575 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 575 | 19 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|---------------|------------|------------------|------------------------------|-------------------------|------------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Other | 10,842 | 407 | 914 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 129 | 1,454 | 12,296 | 397 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 89 | 89 | 89 | 3 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 1,073 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,073 | 1,073 | 35 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oman | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Puerto Rico | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 142 | 0 | 390 | 390 | 13 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 1,848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,848 | 60 |
| United Kingdom | 2,210 | 328 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 328 | 2,538 | 82 |
| Other Western Hemisphere | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 182 | 0 | 15 | 197 | 347 | 11 |
| Other Eastern Hemisphere | 4,180 | 0 | 628 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 22 | 654 | 4,834 | 156 |
| Subtotal Other | 20,878 | 735 | 2,015 | 0 | 248 | 0 | 0 | 0 | 185 | 393 | 531 | 4,107 | 24,985 | 806 |
| Total Imports | 40,038 | 975 | 3,252 | 0 | 248 | 0 | 0 | 0 | 185 | 808 | 588 | 6,055 | 46,093 | 1,487 |
| PAD District IV | | | | | | | | | | | | | | |
| Other | 1,092 | 709 | 0 | 0 | 31 | 0 | 0 | 0 | 15 | 1 | 173 | 1,038 | 2,130 | 69 |
| Canada | 1,092 | 709 | 0 | 0 | 31 | 0 | 0 | 0 | 15 | 1 | 173 | 1,038 | 2,130 | 69 |
| Subtotal Other | 1,092 | 709 | 0 | 0 | 31 | 0 | 0 | 0 | 15 | 1 | 173 | 1,038 | 2,130 | 69 |
| Total Imports | 1,092 | 709 | 0 | 0 | 31 | 0 | 0 | 0 | 15 | 1 | 173 | 1,038 | 2,130 | 69 |
| PAD District V | | | | | | | | | | | | | | |
| Other OPEC | 6,049 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,049 | 195 |
| Indonesia | 6,049 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,049 | 195 |
| Subtotal Other OPEC | 6,049 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,049 | 195 |
| Other | 1,012 | 0 | 0 | 0 | 127 | 191 | 0 | 35 | 337 | 0 | 0 | 690 | 1,702 | 55 |
| Australia | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 49 | 49 | 2 |
| Bahamas | 0 | 0 | 0 | 0 | 142 | 0 | 0 | 0 | 4 | 8 | (s) | 562 | 680 | 22 |
| Canada | 118 | 409 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80 | 84 | 84 | 3 |
| Mexico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 42 | 42 | 1 |
| People's Republic of China | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 477 | 477 | 15 |
| United Kingdom | 0 | 0 | 0 | 477 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 203 | 106 | 0 | 89 | 134 | 0 | 37 | 568 | 568 | 18 |
| Subtotal Other | 1,130 | 409 | 0 | 477 | 472 | 345 | 0 | 123 | 479 | 8 | 159 | 2,472 | 3,602 | 116 |
| Total Imports | 7,179 | 409 | 0 | 477 | 472 | 345 | 0 | 123 | 479 | 8 | 159 | 2,472 | 9,651 | 311 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - December 1984
(Thousand Barrels)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|--------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| All PAD Districts | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 70,541 | 671 | 598 | 399 | 434 | 327 | 0 | 7,165 | 20,770 | 3,625 | 12,002 | 45,991 | 116,533 | 318 |
| Iraq | 4,129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 4,129 | 11 |
| Kuwait | 8,780 | 0 | 0 | 0 | 0 | 0 | 0 | 336 | 4,019 | 0 | 0 | 4,356 | 13,136 | 36 |
| Qatar | 1,497 | 202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 202 | 1,699 | 5 |
| Saudi Arabia | 112,108 | 2,139 | 1,119 | 260 | 1,280 | 0 | 0 | 0 | 1,013 | 0 | (s) | 5,811 | 117,919 | 322 |
| United Arab Emirates | 32,966 | 0 | 1,049 | 2,682 | 357 | 221 | 0 | 1,097 | 2,291 | 0 | 2,169 | 9,865 | 42,831 | 117 |
| Subtotal Arab OPEC | 230,022 | 3,013 | 2,766 | 3,341 | 2,071 | 548 | 0 | 8,598 | 28,093 | 3,625 | 14,171 | 66,225 | 296,247 | 809 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 17,066 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,219 | 0 | 0 | 3,219 | 20,285 | 55 |
| Gabon | 20,183 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 20,489 | 56 |
| Indonesia | 111,023 | 1,356 | 2,835 | 0 | 1,354 | 200 | 0 | 368 | 5,946 | 1,225 | 892 | 14,176 | 125,199 | 342 |
| Iran | 3,706 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,706 | 10 |
| Nigeria | 75,375 | 0 | 1,582 | 0 | 0 | 0 | 0 | 53 | 1,194 | 0 | 248 | 3,077 | 78,453 | 214 |
| Venezuela | 90,529 | 0 | 9,322 | 944 | 19,713 | 4,670 | 302 | 24,849 | 42,419 | 68 | 3,258 | 105,544 | 196,073 | 536 |
| Subtotal Other OPEC | 317,883 | 1,356 | 13,739 | 944 | 21,067 | 4,871 | 302 | 25,270 | 53,025 | 1,353 | 4,397 | 126,323 | 444,206 | 1,214 |
| Other | | | | | | | | | | | | | | |
| Angola | 31,158 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,853 | 0 | 0 | 1,853 | 33,011 | 90 |
| Australia | 9,177 | 504 | 243 | 0 | 984 | 364 | 0 | 353 | 1,922 | 0 | 208 | 4,579 | 13,756 | 38 |
| Bahamas | 0 | 0 | 10,318 | 506 | 0 | 1,450 | 69 | 6,538 | 8,519 | 742 | 3,395 | 31,539 | 31,539 | 86 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 2 | 0 | 230 | 570 | 9,669 | 214 | 0 | 0 | 10,886 | 324 | 60 | 21,953 | 21,956 | 60 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 125,661 | 62,677 | 3,743 | 75 | 6,443 | 229 | 146 | 11,976 | 9,442 | 4,973 | 5,023 | 104,727 | 230,388 | 629 |
| Congo | 12,226 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,044 | 0 | (s) | 2,045 | 14,270 | 39 |
| Egypt | 3,485 | 0 | 0 | 0 | 1,186 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,485 | 10 |
| France | 0 | (s) | (s) | 0 | 0 | 0 | (s) | 656 | 299 | 1 | 17 | 2,159 | 2,159 | 6 |
| Ghana | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 5 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 99 | 0 | 0 | 409 | 409 | 1 |
| Malaysia | 0 | 0 | 125 | 0 | 158 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mexico | 238,937 | 2,227 | 14,301 | 4,924 | 2,734 | 406 | 0 | 1,869 | 3,283 | 595 | 1,308 | 31,646 | 270,584 | 739 |
| Netherlands | 1,046 | 1 | 224 | 634 | 9,092 | 196 | 0 | 9,600 | 1,418 | 340 | 909 | 22,414 | 23,460 | 64 |
| Netherlands Antilles | 0 | 28 | 12,247 | 426 | 6,397 | 1,230 | 0 | 2,871 | 43,479 | 284 | 925 | 67,887 | 67,887 | 185 |
| Norway | 40,927 | (s) | 0 | 0 | 0 | 451 | 0 | 366 | 0 | 0 | 0 | 817 | 41,744 | 114 |
| Oman | 3,822 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,520 | 0 | 0 | 1,520 | 5,342 | 15 |
| People's Republic of China | 5,615 | 0 | 668 | 8,496 | 1,290 | 0 | 0 | 0 | 0 | 347 | 33 | 10,834 | 16,449 | 45 |
| Peru | 224 | 0 | 755 | 0 | 0 | 223 | 0 | 0 | 5,272 | 0 | 450 | 6,699 | 6,923 | 19 |
| Puerto Rico | 0 | 0 | 1,517 | 0 | 4,633 | 561 | 70 | 1,717 | 74 | 4,340 | 2,298 | 15,210 | 15,210 | 42 |
| Romania | 0 | 0 | 252 | 6,732 | 3,390 | 0 | 0 | 126 | 389 | 423 | 4,399 | 15,712 | 15,712 | 43 |
| Spain | 0 | 0 | 218 | 0 | 1,420 | 1,016 | 0 | 123 | 947 | 14 | 200 | 3,937 | 3,937 | 11 |
| Trinidad and Tobago | 31,939 | 0 | 13 | 111 | 0 | 0 | 0 | 504 | 1,929 | 7 | 16 | 2,581 | 34,519 | 94 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) |
| United Kingdom | 136,128 | 1,179 | 737 | 370 | 4,086 | 325 | 0 | 163 | 655 | 156 | 978 | 8,649 | 144,777 | 396 |
| Virgin Islands | 0 | 0 | 11,457 | 43 | 17,867 | 6,505 | 3,790 | 18,119 | 48,622 | 402 | 708 | 107,514 | 107,514 | 294 |
| Yugoslavia | 0 | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 188 | 1 |
| Zaire | 11,470 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,470 | 31 |
| Other Western Hemisphere | 1,021 | 127 | 1,699 | 39 | 231 | 0 | 6 | 361 | 7,233 | 446 | 263 | 10,405 | 11,426 | 31 |
| Other Eastern Hemisphere | 44,286 | 301 | 8,910 | 1,754 | 13,701 | 2,126 | 200 | 9,511 | 13,480 | 2,105 | 2,281 | 54,369 | 98,655 | 270 |
| Subtotal Other | 697,389 | 67,042 | 67,658 | 24,680 | 83,470 | 15,303 | 4,282 | 64,873 | 165,499 | 15,499 | 23,473 | 531,779 | 1,229,168 | 3,358 |

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|----------------|--------------|-------------------------|---|-------------------------------|---------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District I | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 23,767 | 367 | 0 | 0 | 434 | 327 | 0 | 7,115 | 19,017 | 218 | 2,019 | 29,496 | 53,263 | 146 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| Kuwait | 2,160 | 0 | 0 | 0 | 0 | 0 | 0 | 336 | 0 | 0 | 0 | 336 | 2,496 | 7 |
| Qatar | 0 | 202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 202 | 202 | 1 |
| Saudi Arabia | 27,691 | 1,496 | 867 | 260 | 1,280 | 0 | 0 | 0 | 0 | 0 | (s) | 3,903 | 31,593 | 86 |
| United Arab Emirates | 1,226 | 0 | 0 | 2,682 | 357 | 0 | 0 | 1,097 | 434 | 0 | 1,628 | 6,197 | 7,423 | 20 |
| Subtotal Arab OPEC | 54,843 | 2,065 | 867 | 2,942 | 2,071 | 327 | 0 | 8,548 | 19,451 | 218 | 3,647 | 40,135 | 94,978 | 260 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 302 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,219 | 0 | 0 | 3,219 | 3,521 | 10 |
| Gabon | 6,156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 246 | 60 | 0 | 306 | 6,463 | 18 |
| Indonesia | 26,496 | 0 | 228 | 0 | 0 | 0 | 0 | 0 | 1,389 | 0 | 0 | 1,617 | 28,113 | 77 |
| Nigeria | 25,893 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 704 | 0 | 0 | 754 | 26,647 | 73 |
| Venezuela | 27,958 | 0 | 0 | 114 | 17,177 | 4,268 | 302 | 24,793 | 39,666 | 0 | 2,696 | 89,017 | 116,975 | 320 |
| Subtotal Other OPEC | 86,806 | 0 | 228 | 114 | 17,177 | 4,268 | 302 | 24,843 | 45,224 | 60 | 2,696 | 94,913 | 181,719 | 496 |
| Other | | | | | | | | | | | | | | |
| Angola | 20,580 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,853 | 0 | 0 | 1,853 | 22,433 | 61 |
| Australia | 1,304 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 746 | 0 | 0 | 746 | 2,050 | 6 |
| Bahamas | 0 | 0 | 678 | 0 | 0 | 1,402 | 69 | 6,189 | 8,519 | 0 | 180 | 17,037 | 17,037 | 47 |
| Brazil | 2 | 0 | 230 | 101 | 7,934 | 214 | 0 | 0 | 10,622 | 0 | 37 | 19,137 | 19,139 | 52 |
| Canada | 14,502 | 3,580 | 183 | 0 | 2,751 | 7 | 146 | 7,256 | 7,243 | 235 | 2,515 | 23,915 | 38,417 | 105 |
| Congo | 3,941 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,044 | 0 | 0 | 2,044 | 5,986 | 16 |
| Egypt | 2,810 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,810 | 8 |
| France | 0 | (s) | 0 | 0 | 1,186 | 0 | 0 | 656 | 299 | 1 | 1 | 2,143 | 2,143 | 6 |
| Ghana | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 250 | 0 | 0 | 250 | 251 | 1 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,882 | 0 | 0 | 1,882 | 1,882 | 5 |
| Mexico | 36,807 | 0 | 0 | 4,052 | 2,295 | 377 | 0 | 1,658 | 1,557 | 586 | 349 | 10,872 | 47,679 | 130 |
| Netherlands | 1 | 1 | 224 | 474 | 9,092 | 196 | 0 | 9,600 | 1,418 | 36 | 251 | 21,292 | 21,292 | 58 |
| Netherlands Antilles | 0 | 0 | 9,219 | 426 | 5,108 | 1,116 | 0 | 2,513 | 43,113 | 249 | 613 | 62,356 | 62,356 | 170 |
| Norway | 24,274 | 0 | 0 | 0 | 0 | 89 | 0 | 366 | 0 | 0 | 0 | 456 | 24,729 | 68 |
| Oman | 1,489 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 866 | 0 | 0 | 866 | 2,356 | 6 |
| People's Republic of China | 4,582 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 4,582 | 13 |
| Peru | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,010 | 0 | (s) | 5,010 | 5,012 | 14 |
| Puerto Rico | 0 | 0 | 1,517 | 0 | 4,385 | 561 | 70 | 1,478 | 74 | 1,600 | 2,143 | 11,828 | 11,828 | 32 |
| Romania | 0 | 0 | 252 | 6,510 | 2,809 | 0 | 0 | 126 | 389 | 183 | 4,399 | 14,669 | 14,669 | 40 |
| Spain | 0 | 0 | 13 | 0 | 1,420 | 825 | 0 | 123 | 947 | 7 | 173 | 3,487 | 3,487 | 10 |
| Trinidad and Tobago | 6,092 | 0 | 0 | 0 | 0 | 0 | 0 | 504 | 1,929 | 0 | 0 | 2,454 | 8,545 | 23 |
| Tunisia | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) |
| United Kingdom | 68,074 | 818 | 471 | 79 | 3,959 | 154 | 0 | 163 | 655 | (s) | 294 | 6,591 | 74,665 | 204 |
| Virgin Islands | 0 | 0 | 4,824 | 43 | 17,867 | 6,505 | 3,335 | 18,119 | 46,800 | 0 | 0 | 97,492 | 97,492 | 266 |
| Yugoslavia | 0 | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 0 | 0 | 0 | 188 | 188 | 1 |
| Zaire | 6,976 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,976 | 19 |
| Other Western Hemisphere | | | | | | | | | | | | | | |
| Hemisphere | 0 | 127 | 611 | 0 | 231 | 0 | 0 | 32 | 7,051 | 0 | 8 | 8,060 | 8,060 | 22 |
| Other Eastern Hemisphere | 7,999 | 300 | 692 | 1,520 | 12,263 | 851 | 200 | 9,020 | 8,628 | 474 | 1,115 | 35,062 | 43,061 | 118 |
| Subtotal Other | 199,441 | 4,824 | 18,913 | 13,205 | 71,487 | 12,297 | 3,821 | 57,802 | 151,895 | 3,370 | 12,076 | 349,690 | 549,131 | 1,500 |
| Total Imports | 341,090 | 6,889 | 20,008 | 16,261 | 90,735 | 16,892 | 4,122 | 91,194 | 216,570 | 3,648 | 18,418 | 484,737 | 825,827 | 2,256 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - December 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|--------------------------------|----------------|---------------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District II | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 7,934 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,934 | 22 |
| Iraq | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 728 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 728 | 2 |
| Saudi Arabia | 2,659 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,659 | 7 |
| United Arab Emirates | 4,001 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,001 | 11 |
| Subtotal Arab OPEC | 15,323 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15,323 | 42 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 3,551 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,551 | 10 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 1,556 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,556 | 4 |
| Nigeria | 9,088 | 0 | 203 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 9,291 | 25 |
| Venezuela | 417 | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 55 | 473 | 1 |
| Subtotal Other OPEC | 14,613 | 0 | 203 | 0 | 0 | 0 | 0 | 55 | 0 | 0 | 0 | 259 | 14,871 | 41 |
| Other | | | | | | | | | | | | | | |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 218 | 1 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 92,450 | 49,174 | 3,400 | 75 | 1,436 | 0 | 0 | 2,903 | 1,918 | 4,182 | 987 | 64,074 | 156,524 | 428 |
| Congo | 3,324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,324 | 9 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Mexico | 42,078 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 42,078 | 115 |
| Netherlands | 1,044 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,044 | 3 |
| Norway | 1,076 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,076 | 3 |
| Peru | 222 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 6,661 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,661 | 18 |
| United Kingdom | 4,644 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 4,647 | 13 |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 1,535 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 2 | 3 | 1,538 | 4 |
| Subtotal Other | 153,035 | 49,175 | 3,618 | 75 | 1,436 | 0 | 0 | 2,903 | 1,918 | 4,182 | 992 | 64,298 | 217,332 | 594 |
| Total Imports | 182,970 | 49,175 | 3,821 | 75 | 1,436 | 0 | 0 | 2,959 | 1,918 | 4,182 | 992 | 64,556 | 247,526 | 676 |
| PAD District III | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 37,906 | 305 | 345 | 399 | 0 | 0 | 0 | 50 | 1,753 | 3,407 | 9,983 | 16,242 | 54,148 | 148 |
| Iraq | 4,129 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,129 | 11 |
| Kuwait | 5,892 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,019 | 0 | 0 | 4,019 | 9,911 | 27 |
| Qatar | 1,497 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,497 | 4 |
| Saudi Arabia | 81,758 | 643 | 0 | 0 | 0 | 0 | 0 | 0 | 1,013 | 0 | 0 | 1,657 | 83,415 | 228 |
| United Arab Emirates | 27,739 | 0 | 780 | 0 | 0 | 221 | 0 | 0 | 1,857 | 0 | 541 | 3,399 | 31,138 | 85 |
| Subtotal Arab OPEC | 158,922 | 948 | 1,125 | 399 | 0 | 221 | 0 | 50 | 8,642 | 3,407 | 10,524 | 25,317 | 184,239 | 503 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 12,852 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12,852 | 35 |
| Gabon | 14,027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,027 | 38 |

| Source | Crude Oil 1 | LPG | Unfin-ished Oils | Gasoline Blending Components | Finished Motor Gasoline | Jet Fuel | Kero-sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod-ucts 2 | Total Prod-ucts | Total Petro-leum | Total (Daily Average) |
|----------------------------------|-------------|-------|------------------|------------------------------|-------------------------|----------|-----------|------------------|-----------------|------------------|-------------------|-----------------|------------------|-----------------------|
| PAD District III | | | | | | | | | | | | | | |
| Indonesia | 26,790 | 1,356 | 800 | 0 | 0 | 0 | 0 | 0 | 3,000 | 758 | 303 | 6,217 | 33,007 | 90 |
| Iran | 2,150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,150 | 6 |
| Nigeria | 40,394 | 0 | 1,379 | 0 | 0 | 0 | 0 | 3 | 490 | 0 | 248 | 2,120 | 42,514 | 116 |
| Venezuela | 61,530 | 0 | 9,322 | 829 | 2,290 | 0 | 0 | 0 | 2,753 | 68 | 494 | 15,756 | 77,286 | 211 |
| Subtotal Other OPEC | 157,743 | 1,356 | 11,500 | 829 | 2,290 | 0 | 0 | 3 | 6,244 | 826 | 1,045 | 24,093 | 181,836 | 497 |
| Other | | | | | | | | | | | | | | |
| Angola | 10,578 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,578 | 29 |
| Australia | 1,513 | 0 | 243 | 0 | 0 | 0 | 0 | 0 | 519 | 0 | 164 | 927 | 2,440 | 7 |
| Bahamas | 0 | 0 | 9,422 | 506 | 0 | 0 | 0 | 349 | 0 | 742 | 3,215 | 14,235 | 14,235 | 39 |
| Bolivia | 260 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 1 |
| Brazil | 0 | 0 | 0 | 470 | 1,735 | 0 | 0 | 0 | 264 | 324 | 23 | 2,817 | 2,817 | 8 |
| Canada | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 316 | 106 | 422 | 424 | 1 |
| Congo | 4,960 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 4,960 | 14 |
| Egypt | 674 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 674 | 2 |
| France | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 16 | 16 | 16 | (s) |
| Malaysia | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 125 | (s) |
| Mexico | 160,052 | 2,176 | 14,301 | 872 | 439 | 0 | 29 | 201 | 1,656 | 9 | 536 | 20,220 | 180,272 | 493 |
| Netherlands | 1 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 0 | 300 | 658 | 1,117 | 1,119 | 3 |
| Netherlands Antilles | 0 | 28 | 3,022 | 0 | 1,289 | 0 | 0 | 358 | 174 | 35 | 107 | 5,014 | 5,014 | 14 |
| Norway | 15,577 | (s) | 0 | 0 | 0 | 361 | 0 | 0 | 0 | 0 | 0 | 361 | 15,938 | 44 |
| Oman | 2,333 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 654 | 0 | 0 | 654 | 2,987 | 8 |
| People's Republic of China | 1,033 | 0 | 0 | 803 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 834 | 1,867 | 5 |
| Peru | 0 | 0 | 755 | 0 | 0 | 223 | 0 | 0 | 262 | 0 | 450 | 1,689 | 1,689 | 5 |
| Puerto Rico | 0 | 0 | 0 | 0 | 248 | 0 | 0 | 0 | 0 | 2,740 | 0 | 2,988 | 2,988 | 8 |
| Romania | 0 | 0 | 0 | 0 | 582 | 0 | 0 | 0 | 0 | 239 | 0 | 821 | 821 | 2 |
| Spain | 0 | 0 | 218 | 0 | 0 | 190 | 0 | 0 | 0 | 14 | 27 | 450 | 450 | 1 |
| Trinidad and Tobago | 19,186 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 | 19,203 | 52 |
| Tunisia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United Kingdom | 63,410 | 361 | 266 | 291 | 127 | 171 | 0 | (s) | 0 | 156 | 682 | 2,055 | 65,465 | 179 |
| Virgin Islands | 0 | 0 | 6,633 | 0 | 0 | 0 | 455 | 0 | 1,823 | 356 | 708 | 9,975 | 9,975 | 27 |
| Zaire | 4,493 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,493 | 12 |
| Other Western Hemisphere | 1,021 | 0 | 1,088 | 39 | 0 | 0 | 6 | 12 | 182 | 446 | 255 | 2,028 | 3,048 | 8 |
| Other Eastern Hemisphere | 33,347 | 0 | 7,186 | 18 | 0 | 693 | 0 | 56 | 2,823 | 1,550 | 245 | 12,572 | 45,919 | 125 |
| Subtotal Other | 318,443 | 2,564 | 43,260 | 3,160 | 4,421 | 1,668 | 461 | 976 | 8,357 | 7,229 | 7,240 | 79,335 | 397,778 | 1,087 |
| Total Imports | 635,109 | 4,868 | 55,885 | 4,388 | 6,710 | 1,888 | 461 | 1,029 | 23,243 | 11,462 | 18,810 | 128,744 | 763,853 | 2,087 |
| PAD District IV | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | |
| Canada | 12,233 | 5,404 | 0 | 0 | 685 | 0 | 0 | 1,425 | 158 | 5 | 1,333 | 9,011 | 21,243 | 58 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other Eastern Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Subtotal Other | 12,233 | 5,404 | 0 | 0 | 685 | 0 | 0 | 1,425 | 158 | 5 | 1,333 | 9,011 | 21,243 | 58 |
| Total Imports | 12,233 | 5,404 | 0 | 0 | 685 | 0 | 0 | 1,425 | 158 | 5 | 1,333 | 9,011 | 21,243 | 58 |

See footnotes at end of table.

Table 19. Year-to-Date Imports of Crude Oil and Petroleum Products by Source and PAD District, January - December 1984
(continued)

| Source | Crude Oil 1 | LPG | Unfin- ished Oils | Gasoline Blending Compo- nents | Finished Motor Gasoline | Jet Fuel | Kero- sene | Distil. Fuel Oil | Resid. Fuel Oil | Special Naphthas | Other Prod- ucts 2 | Total Prod- ucts | Total Petro- leum | Total (Daily Average) |
|----------------------------------|---------------|--------------|-------------------------|---|-------------------------------|--------------|---------------|------------------------|-----------------------|---------------------|--------------------------|------------------------|-------------------------|-----------------------------|
| PAD District V | | | | | | | | | | | | | | |
| Arab OPEC | | | | | | | | | | | | | | |
| Algeria | 934 | 0 | 253 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 1,187 | 3 |
| Saudi Arabia | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 252 | 1 |
| United Arab Emirates | 0 | 0 | 269 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 269 | 269 | 1 |
| Subtotal Arab OPEC | 934 | 0 | 774 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 774 | 1,707 | 5 |
| Other OPEC | | | | | | | | | | | | | | |
| Ecuador | 360 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 360 | 1 |
| Indonesia | 57,737 | 0 | 1,808 | 0 | 1,354 | 200 | 0 | 368 | 1,557 | 467 | 588 | 6,342 | 64,079 | 175 |
| Venezuela | 624 | 0 | 0 | 0 | 246 | 403 | 0 | 0 | 0 | 0 | 67 | 716 | 1,340 | 4 |
| Subtotal Other OPEC | 58,721 | 0 | 1,808 | 0 | 1,600 | 603 | 0 | 368 | 1,557 | 467 | 656 | 7,058 | 65,779 | 180 |
| Other | | | | | | | | | | | | | | |
| Australia | 6,360 | 504 | 0 | 0 | 984 | 364 | 0 | 353 | 657 | 0 | 44 | 2,907 | 9,266 | 25 |
| Bahamas | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 49 | 49 | (s) |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Brunei | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Canada | 6,474 | 4,519 | 161 | 0 | 1,571 | 222 | (s) | 391 | 124 | 235 | 82 | 7,305 | 13,779 | 38 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | (s) | (s) |
| Malaysia | 0 | 0 | 0 | 0 | 158 | 7 | 0 | 20 | 99 | 0 | 0 | 284 | 284 | 1 |
| Mexico | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 11 | 70 | 0 | 423 | 555 | 555 | 2 |
| Netherlands | 0 | (s) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 5 | (s) |
| Netherlands Antilles | 0 | 0 | 7 | 0 | 0 | 114 | 0 | 0 | 192 | 0 | 205 | 518 | 518 | 1 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| People's Republic of China | 0 | 0 | 0 | 0 | 1,290 | 0 | 0 | 0 | 0 | 347 | 3 | 10,000 | 10,000 | 27 |
| Puerto Rico | 0 | 0 | 668 | 7,693 | 0 | 0 | 0 | 239 | 0 | 0 | 155 | 394 | 394 | 1 |
| Romania | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 222 | 222 | 1 |
| Spain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Trinidad and Tobago | 0 | 0 | 0 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 111 | (s) |
| United Kingdom | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | (s) | (s) | (s) |
| Virgin Islands | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 46 | 46 | (s) |
| Other Western Hemisphere | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 318 | 0 | 0 | 0 | 318 | 318 | 1 |
| Other Eastern Hemisphere | 1,404 | 1 | 1,032 | 215 | 1,438 | 582 | 0 | 435 | 2,029 | 81 | 919 | 6,733 | 8,137 | 22 |
| Subtotal Other | 14,238 | 5,074 | 1,868 | 8,240 | 5,441 | 1,338 | (s) | 1,767 | 3,171 | 713 | 1,831 | 29,446 | 43,684 | 119 |
| Total Imports | 73,892 | 5,074 | 4,449 | 8,240 | 7,041 | 1,941 | (s) | 2,136 | 4,728 | 1,180 | 2,488 | 37,277 | 111,169 | 304 |

1 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

2 Includes aviation gasoline, aviation gasoline blending components, waxes, asphalt, lubricants, pentanes plus, naphthas less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 20. Exports of Crude Oil and Petroleum Products by PAD District, December 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | Total |
|---|--|--------------|---------------|----------|---------------|---------------|
| | I | II | III | IV | V | |
| Crude Oil (including lease condensate) ¹ | 0 | 330 | 0 | 0 | 5,407 | 5,737 |
| Natural Gas Liquids | 31 | 1,089 | 1,334 | 0 | 250 | 2,703 |
| Pentanes Plus | 0 | 163 | 0 | 0 | 0 | 163 |
| Liquefied Petroleum Gases | 31 | 925 | 1,334 | 0 | 250 | 2,540 |
| Ethane | 0 | 327 | 0 | 0 | 0 | 327 |
| Propane | 16 | 272 | 1,265 | 0 | 100 | 1,653 |
| Normal Butane | 15 | 163 | 69 | 0 | 150 | 397 |
| Isobutane | 0 | 163 | 0 | 0 | 0 | 163 |
| Finished Motor Gasoline | 35 | 0 | 437 | 0 | 20 | 492 |
| Naphtha-Type Jet Fuel | 0 | 214 | 275 | 0 | 0 | 489 |
| Kerosene-Type Jet Fuel | 0 | 0 | 521 | 0 | 217 | 738 |
| Kerosene | 5 | 1 | (s) | 1 | (s) | 8 |
| Distillate Fuel Oil | 237 | 0 | 2,460 | 0 | 1,027 | 3,724 |
| Residual Fuel Oil | (s) | 0 | 6,227 | 0 | 3,034 | 9,261 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 52 | 9 | 124 | 1 | 64 | 249 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | (s) | 33 | 0 | 0 | 106 | 139 |
| Special Naphthas | 3 | 8 | 45 | 0 | 1 | 57 |
| Lubricants | 109 | 17 | 246 | 2 | 51 | 425 |
| Waxes | 5 | 4 | 56 | 0 | 6 | 70 |
| Petroleum Coke | 334 | 139 | 3,334 | 3 | 2,619 | 6,428 |
| Asphalt | (s) | (s) | (s) | (s) | 1 | 2 |
| Miscellaneous Products | 15 | 2 | 14 | 0 | 4 | 35 |
| Total Product Exports | 826 | 1,514 | 15,074 | 7 | 7,400 | 24,820 |
| Total Exports | 826 | 1,844 | 15,074 | 7 | 12,807 | 30,557 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.
(s) = Less than 500 barrels or less than 500 barrels per day.
Note: Total may not equal sum of components due to independent rounding.
Source: See Explanatory Notes on Data Collection and Estimation.

Table 21. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January - December 1984
(Thousand Barrels)

| Commodity | Petroleum Administration for Defense Districts | | | | | |
|---|--|---------------|---------------|-----------|----------------|----------------|
| | I | II | III | IV | V | Total |
| Crude Oil (including lease condensate) ¹ | 0 | 5,784 | (s) | 0 | 60,449 | 66,233 |
| Natural Gas Liquids | 460 | 6,535 | 9,431 | 7 | 2,069 | 18,503 |
| Pentanes Plus | 0 | 966 | 0 | 0 | 0 | 966 |
| Liquefied Petroleum Gases | 460 | 5,569 | 9,431 | 7 | 2,069 | 17,537 |
| Ethane | 1 | 1,932 | (s) | 0 | (s) | 1,933 |
| Propane | 222 | 1,644 | 8,209 | 7 | 829 | 10,911 |
| Normal Butane | 237 | 1,027 | 1,223 | (s) | 1,239 | 3,727 |
| Isobutane | 0 | 966 | 0 | 0 | 0 | 966 |
| Finished Motor Gasoline | 227 | 4 | 1,075 | 0 | 810 | 2,116 |
| Naphtha-Type Jet Fuel | 1 | 214 | 708 | 0 | 0 | 922 |
| Kerosene-Type Jet Fuel | 176 | 139 | 1,174 | 0 | 891 | 2,379 |
| Kerosene | 38 | 1 | 4 | 1 | 1 | 45 |
| Distillate Fuel Oil | 1,102 | 56 | 6,345 | (s) | 11,133 | 18,637 |
| Residual Fuel Oil | 1,065 | 0 | 29,703 | 0 | 38,937 | 69,704 |
| Naphtha < 400 Deg. for Petrochem. Feedstock | 612 | 119 | 1,217 | 10 | 310 | 2,268 |
| Other Oils > 400 Deg. for Petrochem. Feedstock | 4 | 410 | 4,191 | 0 | 756 | 5,361 |
| Special Naphthas | 64 | 111 | 352 | 3 | 256 | 787 |
| Lubricants | 1,288 | 283 | 3,208 | 16 | 549 | 5,335 |
| Waxes | 54 | 13 | 349 | (s) | 46 | 462 |
| Petroleum Coke | 3,153 | 2,892 | 35,302 | 11 | 29,397 | 70,756 |
| Asphalt | 71 | 65 | 29 | 5 | 15 | 185 |
| Miscellaneous Products | 179 | 22 | 132 | 1 | 50 | 383 |
| Total Product Exports | 8,474 | 10,873 | 93,220 | 55 | 85,221 | 197,844 |
| Total Exports | 8,474 | 16,657 | 93,220 | 55 | 145,670 | 264,077 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical

Tracking Systems count these exchanges and shipments as imports and exports.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, December 1984
(Thousand Barrels)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|-------------|-------|-----------------|---------|--------|-------|-----------------------|
| Argentina | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Australia | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bahamas | 0 | 8 | 0 | 0 | 55 | 1,267 | 0 | 1 | 0 | 0 | 0 | 0 | 1,333 | 43 |
| Bahrain | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 2 |
| Belgium & Luxembourg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 531 | 17 |
| Brazil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 12 | 0 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30 | 1 |
| Canada | 330 | 926 | 34 | 1,077 | 1,936 | 408 | 8 | 48 | 4 | 412 | 1 | 226 | 5,408 | 174 |
| Chile | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 11 | 0 | 0 | 0 | 1 | 13 | 0 |
| China (Taiwan) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 2 | 16 | 1 |
| Colombia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 1 | 12 | 0 |
| Costa Rica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 |
| Denmark | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 2 |
| Dominican Republic | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 914 | 29 |
| Ecuador | 0 | 0 | 437 | 0 | 472 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 17 | 1 |
| Egypt | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 3 | 0 |
| El Salvador | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| France | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 267 | 9 |
| French Pacific Isl | 0 | 0 | 15 | 90 | 161 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ghana | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 2 |
| Greece | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 61 | 2 |
| Guatemala | 0 | 59 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 15 | 0 |
| Honduras | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 14 | 0 | 0 | 0 | 1 | 3 | 0 |
| Hong Kong | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 4 | 0 |
| India | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 0 |
| Indonesia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Israel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Italy | 0 | 153 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 1,191 | 0 | 0 | 1,347 | 43 |
| Ivory Coast | 0 | 0 | 0 | 0 | 0 | 172 | 0 | 0 | 0 | 0 | 0 | 0 | 172 | 6 |
| Jamaica | 0 | 21 | 0 | 0 | 0 | 220 | 0 | 0 | 0 | 0 | 0 | 1 | 243 | 8 |
| Japan | 0 | 3 | 0 | 0 | 355 | 1,256 | 8 | 7 | 2 | 1,576 | 0 | 36 | 3,244 | 105 |
| Jordan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 491 | 16 |
| Korea, Republic of | 0 | 1 | 0 | 0 | 0 | 210 | 0 | 2 | 0 | 230 | 0 | 0 | 1 | 0 |
| Kuwait | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liberia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Malaysia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 7 | 9 | 0 |
| Mexico | 0 | 1,225 | 4 | 60 | 0 | 818 | 8 | 72 | 11 | 41 | 0 | 10 | 2,249 | 73 |
| Netherlands | 0 | 0 | 0 | 0 | 0 | 495 | 0 | 8 | 1 | 1,119 | 0 | 34 | 1,657 | 53 |
| Netherlands Antilles | 0 | 0 | 0 | 0 | 234 | 1,228 | 0 | 1 | 0 | 0 | 0 | 0 | 1,464 | 47 |
| New Zealand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 4 | 0 |
| Nicaragua | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Nigeria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 96 | 0 | 1 | 96 | 3 |
| Norway | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pacific Trust Terr. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 15 | 0 |
| Panama | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 |
| Peru | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| Philippines | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 505 | 16 |
| Puerto Rico | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 0 | 0 | 15 | 59 | 2 |
| Rep. of South Africa | 464 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 8 | 41 | 0 | 0 | 10 | 0 |
| Saudi Arabia | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |

See footnotes at end of table.

Table 22. Exports of Crude Oil and Petroleum Products by Destination, December 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|-------------|-------|-------------------------|----------|----------------|-------------------|------------------|------------|-------|----------------|---------|--------------------|--------|-----------------------|
| Singapore | 0 | 0 | 0 | 0 | 0 | 432 | 2 | 7 | (s) | (s) | (s) | 1 | 442 | 14 |
| Spain | 0 | (s) | 0 | 0 | 471 | 595 | 0 | (s) | (s) | 580 | 0 | (s) | 1,648 | 53 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 10 | 0 | 0 | 10 | (s) |
| Sweden | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | (s) | 30 | 0 | 1 | 32 | 1 |
| Switzerland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| Thailand | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 1 | 0 | 0 | 0 | 107 | 107 | 3 |
| Trinidad and Tobago | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | (s) | (s) | (s) |
| Turkey | 0 | 0 | 0 | 0 | (s) | 0 | (s) | 14 | 0 | 77 | 0 | 1 | 92 | 3 |
| United Arab Emirates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 0 | 0 | 1 | 1 | (s) |
| United Kingdom | 0 | 1 | (s) | 0 | 1 | 1,692 | 0 | 6 | 1 | 41 | (s) | 2 | 1,743 | 56 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 103 | 0 | 41 | 0 | 55 | 199 | 6 |
| Uruguay | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | (s) | 1 | (s) |
| Venezuela | 0 | 0 | (s) | 0 | 0 | 0 | 0 | 1 | (s) | 86 | 0 | 2 | 91 | 3 |
| Virgin Islands | 4,008 | 0 | 0 | 0 | 0 | 317 | 0 | 0 | 0 | 0 | 0 | 0 | 4,325 | 140 |
| West Germany | 0 | 1 | (s) | 0 | 0 | 0 | 0 | 2 | 36 | 65 | (s) | 4 | 108 | 3 |
| Yugoslavia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | 0 | 33 | 0 | 0 | 33 | 1 |
| Other | 935 | 75 | (s) | 0 | 37 | 150 | (s) | 10 | 1 | 0 | (s) | 3 | 1,212 | 39 |
| Total | 5,737 | 2,540 | 492 | 1,226 | 3,724 | 9,261 | 57 | 425 | 70 | 6,428 | 2 | 594 | 30,557 | 986 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

| Destination | Crude Oil 1 | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Napthas | Lubri-cants | Waxes | Petro-leum Coke | Asphalt | Other2 | Total | Total (Daily Average) |
|----------------------------|-------------|-------|-------------------------|----------|----------------|-------------------|-----------------|-------------|-------|-----------------|---------|--------|--------|-----------------------|
| Argentina | 0 | 1 | 0 | 431 | (s) | 0 | 4 | 115 | 3 | 1 | (s) | 271 | 826 | 2 |
| Australia | 0 | 7 | 269 | 0 | 1 | 800 | 57 | 69 | 3 | 1,733 | 2 | 148 | 3,088 | 8 |
| Bahamas | 0 | 85 | 11 | (s) | 917 | 3,028 | 0 | 18 | (s) | 0 | 0 | 4 | 4,064 | 11 |
| Bahrain | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 2 | 0 | 389 | 1 | 1 | 394 | 1 |
| Belgium & Luxembourg | 0 | 10 | (s) | 0 | (s) | 0 | 7 | 98 | 1 | 7,463 | 1 | 6 | 7,586 | 21 |
| Brazil | 0 | 10 | (s) | 0 | (s) | 0 | 15 | 10 | (s) | 463 | 0 | 17 | 515 | 1 |
| Cameroon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 181 | 0 | (s) | 182 | (s) |
| Canada | 5,784 | 5,595 | 488 | 1,841 | 5,531 | 2,707 | 133 | 715 | 33 | 5,719 | 134 | 1,776 | 30,456 | 83 |
| Chile | 0 | 1 | 83 | 43 | 256 | 61 | 5 | 110 | 1 | 1 | 2 | 8 | 570 | 2 |
| China (Taiwan) | 0 | 2 | 0 | 0 | 920 | 4,140 | 1 | 122 | 2 | 248 | 1 | 13 | 5,449 | 15 |
| Colombia | 0 | 6 | 0 | 0 | 0 | 0 | 7 | 73 | 61 | 1 | 0 | 9 | 158 | (s) |
| Costa Rica | 0 | 49 | (s) | 0 | 0 | 0 | 17 | 50 | 1 | 22 | 10 | 15 | 163 | (s) |
| Denmark | 0 | 3 | 0 | 0 | (s) | (s) | (s) | 3 | 1 | 812 | (s) | 1 | 820 | 2 |
| Dominican Republic | 0 | 365 | 0 | 0 | 0 | 0 | (s) | 12 | 1 | 64 | (s) | 6 | 449 | 1 |
| Ecuador | 0 | 389 | 462 | 0 | 804 | (s) | 4 | 10 | 2 | 0 | 2 | 12 | 1,686 | 5 |
| Egypt | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 44 | (s) | 0 | 0 | 3 | 48 | (s) |
| El Salvador | 0 | 1 | 0 | 0 | 0 | 0 | 5 | 45 | 1 | 0 | (s) | 0 | 56 | (s) |
| Finland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | (s) | 0 | 0 | 2 | 6 | (s) |
| France | 0 | 39 | 50 | 190 | 250 | 1,384 | (s) | 13 | 16 | 3,920 | (s) | 1,262 | 6,636 | 18 |
| French Pacific Isl. | 0 | (s) | 0 | 0 | 141 | 350 | 0 | 2 | 0 | 0 | (s) | 13 | 854 | 2 |
| Ghana | 0 | 0 | 0 | 0 | (s) | 0 | 0 | (s) | 0 | 0 | 0 | (s) | 141 | (s) |
| Greece | 0 | 6 | 0 | 0 | 0 | 0 | (s) | 3 | (s) | 307 | 0 | 2 | 319 | 1 |
| Guatemala | 0 | 639 | 0 | 0 | 0 | 0 | 5 | 35 | 3 | 0 | (s) | 5 | 687 | 2 |
| Guinea | 0 | (s) | 0 | 0 | 0 | 452 | (s) | 7 | 0 | 0 | 0 | (s) | 460 | 1 |
| Honduras | 0 | 3 | (s) | 0 | (s) | 0 | 6 | 72 | (s) | (s) | (s) | 4 | 86 | (s) |
| Hong Kong | 0 | 1 | 0 | 0 | (s) | 2,544 | 3 | 17 | 3 | 0 | 1 | 8 | 2,577 | 7 |
| India | 0 | 1 | 0 | 0 | (s) | 0 | 1 | 127 | 1 | 38 | (s) | 56 | 224 | 1 |
| Indonesia | 0 | 1 | 0 | 0 | 1 | 0 | (s) | 30 | (s) | 357 | 1 | 17 | 407 | 1 |
| Iran | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | (s) |
| Israel | 0 | 20 | 0 | 0 | (s) | 0 | 2 | 2 | 1 | (s) | 0 | 9 | 34 | (s) |
| Italy | 0 | 312 | 0 | 0 | (s) | 3,610 | 8 | 8 | 5 | 9,013 | 1 | 1,346 | 14,303 | 39 |
| Ivory Coast | 0 | 0 | 0 | 0 | 249 | 451 | 0 | 27 | 0 | 0 | 1 | (s) | 728 | 2 |
| Jamaica | (s) | 264 | 25 | 0 | 3,321 | 740 | (s) | 131 | (s) | (s) | (s) | 11 | 1,171 | 3 |
| Japan | 0 | 36 | (s) | 0 | 0 | 13,580 | 327 | 248 | 28 | 15,621 | 1 | 495 | 33,657 | 92 |
| Jordan | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 7 | 0 | (s) | 0 | 1 | 8 | (s) |
| Korea, Republic of | 0 | 8 | 1 | 0 | 705 | 3,922 | 5 | 50 | 4 | 1,086 | (s) | 449 | 6,229 | 17 |
| Kuwait | 0 | 3 | (s) | 0 | 0 | 0 | (s) | 22 | (s) | 0 | 0 | 1 | 27 | (s) |
| Lebanon | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | (s) | (s) | 1 | 10 | (s) |
| Liberia | 0 | 1 | 0 | 0 | 0 | 365 | (s) | 2 | (s) | 0 | (s) | (s) | 369 | 1 |
| Malaysia | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 10 | (s) | 0 | (s) | 120 | 131 | (s) |
| Mexico | 8,178 | 0 | 50 | 463 | (s) | 2,629 | 32 | 725 | 96 | 377 | 1 | 129 | 12,681 | 35 |
| Netherlands | 0 | 146 | 0 | 0 | (s) | 1,670 | 58 | 77 | 5 | 10,940 | 1 | 796 | 13,693 | 37 |
| Netherlands Antilles | 0 | 4 | 87 | 128 | 1,495 | 7,210 | (s) | 41 | 0 | 0 | 0 | (s) | 8,964 | 24 |
| New Zealand | 0 | (s) | 443 | 0 | 301 | 0 | 3 | 14 | (s) | 500 | (s) | 9 | 1,272 | 3 |
| Nicaragua | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 0 | 0 | 3 | 45 | (s) |
| Nigeria | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 113 | (s) | 1,100 | (s) | 1 | 1,105 | (s) |
| Norway | 0 | (s) | 0 | 0 | (s) | (s) | 0 | 3 | (s) | 0 | (s) | 0 | 137 | 3 |
| Pacific Trust Terr. | 0 | 1 | 0 | 0 | 136 | 0 | 0 | 1 | 0 | 0 | (s) | 4 | 3,157 | 9 |
| Panama | 0 | 159 | 113 | 0 | 1,547 | 1,236 | 7 | 60 | 1 | 29 | (s) | 3 | 832 | 2 |
| Peru | 0 | 107 | 0 | 0 | 576 | 0 | (s) | 144 | (s) | 1 | (s) | 116 | 136 | (s) |
| Philippines | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 13 | 1 | 0 | (s) | 1 | 209 | 24 |
| Puerto Rico | 7,916 | 114 | 2 | (s) | (s) | 202 | 13 | 197 | 19 | (s) | 1 | 433 | 1,048 | 3 |
| Rep. of South Africa | 0 | 3 | 0 | 0 | (s) | 0 | (s) | 119 | 89 | 403 | 1 | 1 | 1,048 | 3 |

See footnotes at end of table.

Table 23. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January - December 1984
(Thousand Barrels)
(continued)

| Destination | Crude Oil ¹ | LPG | Finished Motor Gasoline | Jet Fuel | Dist. Fuel Oil | Residual Fuel Oil | Special Naphthas | Lubricants | Waxes | Petroleum Coke | Asphalt | Other ² | Total | Total (Daily Average) |
|----------------------------|------------------------|---------------|-------------------------|--------------|----------------|-------------------|------------------|--------------|------------|----------------|------------|--------------------|----------------|-----------------------|
| Saudi Arabia | 0 | 79 | 0 | 0 | 0 | (s) | 1 | 156 | (s) | 0 | 0 | 28 | 265 | 1 |
| Singapore | 0 | 12 | 0 | 0 | 100 | 3,140 | 29 | 79 | 1 | 23 | (s) | 13 | 3,396 | 9 |
| Spain | 0 | 4 | 0 | 0 | 994 | 3,366 | (s) | 380 | 1 | 5,608 | (s) | 311 | 10,665 | 29 |
| Surinam | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 78 | 0 | 1 | 90 | (s) |
| Sweden | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 16 | 1 | 364 | (s) | 7 | 390 | 1 |
| Switzerland | 0 | 3 | 0 | 0 | 0 | 0 | (s) | 7 | 1 | 0 | (s) | 5 | 16 | (s) |
| Thailand | 0 | 2 | 30 | 0 | 0 | 0 | 2 | 45 | 1 | (s) | (s) | 230 | 310 | 1 |
| Trinidad and Tobago | 0 | 43 | 0 | 206 | (s) | (s) | 5 | 23 | (s) | 0 | (s) | 7 | 284 | 1 |
| Turkey | 0 | (s) | 0 | 0 | (s) | 0 | (s) | 30 | (s) | 380 | 0 | 175 | 586 | 2 |
| United Arab Emirates | 0 | 1 | 0 | 0 | (s) | 0 | (s) | 84 | 0 | 315 | (s) | 24 | 425 | 1 |
| United Kingdom | 0 | 49 | (s) | 1 | 11 | 4,943 | 2 | 70 | 4 | 167 | 15 | 30 | 5,291 | 14 |
| U.S.S.R. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 371 | 0 | 387 | 0 | 55 | 813 | 2 |
| Uruguay | 0 | (s) | 0 | 0 | 0 | 0 | (s) | 8 | (s) | 0 | (s) | 2 | 11 | (s) |
| Venezuela | (s) | 526 | (s) | 0 | (s) | (s) | 14 | 20 | 5 | 754 | 1 | 25 | 1,345 | 4 |
| Virgin Islands | 41,582 | 14 | 0 | 0 | 0 | 5,314 | 0 | (s) | 0 | 0 | 0 | (s) | 46,911 | 128 |
| West Germany | 0 | 1 | (s) | 0 | (s) | 0 | (s) | 79 | 61 | 1,128 | (s) | 104 | 1,374 | 4 |
| Yugoslavia | 0 | (s) | 0 | 0 | 0 | 0 | 0 | (s) | (s) | 512 | 0 | (s) | 512 | 1 |
| Other | 10,951 | 210 | (s) | 0 | 372 | 1,859 | (s) | 99 | 5 | 252 | 5 | 200 | 13,952 | 182 |
| Total | 66,233 | 17,537 | 2,116 | 3,301 | 18,637 | 69,704 | 787 | 5,335 | 462 | 70,756 | 185 | 9,024 | 264,077 | 722 |

¹ Exports of crude oil are prohibited by law. However, some crude oil is exchanged with Canada on a barrel for barrel basis, and crude oil is shipped to U.S. Territories (especially Puerto Rico and the Virgin Islands) to be refined there. The Statistical Tracking Systems count these exchanges and shipments as imports and exports.

² Includes pentanes plus, kerosene, naphtha less than 400 degrees F, other oils greater than 400 degrees F and miscellaneous products.

(s) = Less than 500 barrels or less than 500 barrels per day.

Note: Total may not equal sum of components due to independent rounding.

Sources: See Explanatory Notes on Data Collection and Estimation.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1964
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | PAD District IV | | United States | | |
|---|----------------|----------------|---------|-----------------|-----------------|---------------------|-------------------|---------|------------------|------------------|----------------|---------------|-----------------|---------|---------------|------------|-------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | | Rocky Mt. | PAD Dist. V |
| | | | | | | | | | | | | | | | | West Coast | |
| Crude Oil (incl. lease condensate) | | | | | | | | | | | | | | | | | |
| Refinery | -- | -- | 14,938 | -- | -- | -- | -- | 14,123 | -- | -- | -- | -- | -- | 43,356 | 2,290 | 22,618 | 97,325 |
| Tank Farms and Pipelines | -- | -- | 1,726 | -- | -- | -- | -- | 60,984 | -- | -- | -- | -- | -- | 94,467 | 10,089 | 33,358 | 200,624 |
| Leases | -- | -- | 64 | -- | -- | -- | -- | 1,518 | -- | -- | -- | -- | -- | 16,831 | 1,307 | 1,220 | 20,940 |
| Strategic Petroleum Reserve1 | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 450,505 | 0 | 0 | 450,505 |
| Alaskan In-Transit | -- | -- | 0 | -- | -- | -- | -- | 0 | -- | -- | -- | -- | -- | 0 | 0 | 24,633 | 24,633 |
| Total | -- | -- | 16,728 | -- | -- | -- | -- | 76,625 | -- | -- | -- | -- | -- | 605,159 | 13,686 | 81,829 | 794,027 |
| Total Stocks, All Oils (excl. Crude Oil) | | | | | | | | | | | | | | | | | |
| Refinery | 37,151 | 2,946 | 40,097 | 876 | 41,400 | 6,931 | 15,472 | 64,679 | 9,128 | 58,848 | 44,508 | 5,391 | 1,142 | 119,017 | 12,887 | 61,734 | 298,414 |
| Bulk Terminal | -- | -- | 140,632 | -- | -- | -- | -- | 87,329 | -- | -- | -- | -- | -- | 82,211 | 3,197 | 25,959 | 339,328 |
| Pipeline | -- | -- | 29,421 | -- | -- | -- | -- | 37,789 | -- | -- | -- | -- | -- | 41,330 | 2,764 | 4,478 | 115,782 |
| Natural Gas Processing Plant | 197 | 49 | 246 | 0 | 586 | 63 | 998 | 1,647 | 1,496 | 3,088 | 457 | 77 | 242 | 5,360 | 204 | 71 | 7,528 |
| Total | -- | -- | 210,396 | -- | -- | -- | -- | 191,444 | -- | -- | -- | -- | -- | 247,918 | 19,052 | 92,242 | 761,052 |
| Pentanes Plus | | | | | | | | | | | | | | | | | |
| Refinery | 13 | 0 | 13 | 0 | 87 | 75 | 83 | 245 | 34 | 138 | 140 | 14 | 18 | 344 | 21 | 16 | 639 |
| Bulk Terminal | -- | -- | 21 | -- | -- | -- | -- | 1,830 | -- | -- | -- | -- | -- | 1,908 | 0 | 6 | 3,765 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 286 | -- | -- | -- | -- | -- | 1,394 | 86 | 5 | 1,771 |
| Natural Gas Processing Plant | 3 | 15 | 18 | 0 | 41 | 22 | 218 | 281 | 467 | 331 | 161 | 29 | 28 | 1,016 | 88 | 22 | 1,425 |
| Total | -- | -- | 52 | -- | -- | -- | -- | 2,642 | -- | -- | -- | -- | -- | 4,662 | 195 | 49 | 7,600 |
| Liquefied Petroleum Gases | | | | | | | | | | | | | | | | | |
| Refinery | 691 | 9 | 700 | 206 | 1,897 | 189 | 632 | 2,924 | 166 | 781 | 1,850 | 41 | 24 | 2,862 | 295 | 644 | 7,425 |
| Bulk Terminal | -- | -- | 1,246 | -- | -- | -- | -- | 17,537 | -- | -- | -- | -- | -- | 53,338 | 109 | 1,253 | 73,483 |
| Pipeline | -- | -- | 1,479 | -- | -- | -- | -- | 6,393 | -- | -- | -- | -- | -- | 5,733 | 424 | 0 | 14,029 |
| Natural Gas Processing Plant | 194 | 34 | 228 | 0 | 542 | 41 | 780 | 1,363 | 866 | 2,755 | 296 | 46 | 214 | 4,177 | 116 | 49 | 5,933 |
| Total | -- | -- | 3,653 | -- | -- | -- | -- | 28,217 | -- | -- | -- | -- | -- | 66,110 | 944 | 1,946 | 100,870 |
| Ethane | | | | | | | | | | | | | | | | | |
| Refinery | 13 | 0 | 13 | 0 | 6 | 11 | 0 | 17 | 0 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 36 |
| Bulk Terminal | -- | -- | 0 | -- | -- | -- | -- | 2,399 | -- | -- | -- | -- | -- | 13,289 | 0 | 0 | 15,688 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 1,469 | -- | -- | -- | -- | -- | 2,000 | 131 | 0 | 3,600 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 24 | 0 | 163 | 187 | 89 | 755 | 0 | 1 | 19 | 864 | 3 | 0 | 1,054 |
| Total | -- | -- | 13 | -- | -- | -- | -- | 4,072 | -- | -- | -- | -- | -- | 16,159 | 134 | 0 | 20,378 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1984
(Thousand Barrels)(continued)

| Commodity | PAD District I | | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|---|----------------|----------------|--------|----------------|-----------------|---------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|--------|-----------------|----------|---------------|-------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mts. | Dist. IV | | PAD Dist. V |
| | | | | | | | | | | | | | | | | | | |
| Propane for Petrochemical Feedstock Use | | | | | | | | | | | | | | | | | | |
| Refinery | 57 | 1 | 58 | 0 | 105 | 0 | 4 | 109 | 2 | 14 | 152 | 0 | 0 | 168 | 0 | 0 | 335 | |
| Total | -- | -- | 58 | -- | -- | -- | -- | 109 | -- | -- | -- | -- | -- | 168 | 0 | 0 | 335 | |
| Propane For Other Uses | | | | | | | | | | | | | | | | | | |
| Refinery | 553 | 4 | 557 | 1 | 1,172 | 27 | 267 | 1,467 | 64 | 69 | 1,275 | 11 | 2 | 1,421 | 127 | 259 | 3,831 | |
| Bulk Terminal | -- | -- | 1,090 | -- | -- | -- | -- | 12,325 | -- | -- | -- | -- | -- | 29,317 | 108 | 369 | 43,209 | |
| Pipeline | -- | -- | 1,374 | -- | -- | -- | -- | 3,663 | -- | -- | -- | -- | -- | 2,389 | 171 | 0 | 7,597 | |
| Natural Gas Processing Plant | 145 | 32 | 177 | 0 | 429 | 28 | 394 | 851 | 400 | 1,023 | 170 | 26 | 105 | 1,724 | 70 | 30 | 2,852 | |
| Total | -- | -- | 3,198 | -- | -- | -- | -- | 18,306 | -- | -- | -- | -- | -- | 34,851 | 476 | 658 | 57,489 | |
| Normal Butane For Petro. Feed Use | | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 30 | 0 | 10 | 0 | 1 | 0 | 11 | 4 | 2 | 47 | |
| Total | -- | -- | 0 | -- | -- | -- | -- | 30 | -- | -- | -- | -- | -- | 11 | 4 | 2 | 47 | |
| Normal Butane For Other Uses | | | | | | | | | | | | | | | | | | |
| Refinery | 68 | 4 | 72 | 128 | 367 | 90 | 217 | 802 | 79 | 333 | 191 | 15 | 15 | 633 | 125 | 328 | 1,960 | |
| Bulk Terminal | -- | -- | 136 | -- | -- | -- | -- | 1,632 | -- | -- | -- | -- | -- | 5,730 | 1 | 708 | 8,207 | |
| Pipeline | -- | -- | 105 | -- | -- | -- | -- | 882 | -- | -- | -- | -- | -- | 1,007 | 80 | 0 | 2,074 | |
| Natural Gas Processing Plant | 48 | 1 | 49 | 0 | 59 | 10 | 176 | 245 | 304 | 566 | 87 | 13 | 78 | 1,048 | 39 | 12 | 1,393 | |
| Total | -- | -- | 362 | -- | -- | -- | -- | 3,561 | -- | -- | -- | -- | -- | 8,418 | 245 | 1,048 | 13,634 | |
| Isobutane | | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 77 | 247 | 31 | 144 | 499 | 21 | 349 | 232 | 14 | 7 | 623 | 39 | 55 | 1,216 | |
| Bulk Terminal | -- | -- | 20 | -- | -- | -- | -- | 1,181 | -- | -- | -- | -- | -- | 5,002 | 0 | 176 | 6,379 | |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 379 | -- | -- | -- | -- | -- | 337 | 42 | 0 | 758 | |
| Natural Gas Processing Plant | 1 | 1 | 2 | 0 | 30 | 3 | 47 | 80 | 73 | 411 | 39 | 6 | 12 | 541 | 4 | 7 | 634 | |
| Total | -- | -- | 22 | -- | -- | -- | -- | 2,139 | -- | -- | -- | -- | -- | 6,503 | 85 | 238 | 8,987 | |
| Other Hydrocarbons and Alcohol | | | | | | | | | | | | | | | | | | |
| Refinery | 80 | 0 | 80 | 0 | 121 | 0 | 1 | 122 | 1 | 82 | 9 | 0 | 0 | 92 | 0 | 5 | 299 | |
| Total | -- | -- | 80 | -- | -- | -- | -- | 122 | -- | -- | -- | -- | -- | 92 | 0 | 5 | 299 | |
| Unfinished Oils | | | | | | | | | | | | | | | | | | |
| Refinery | 3,911 | 115 | 4,026 | 26 | 2,278 | 122 | 936 | 3,362 | 629 | 6,171 | 4,931 | 204 | 33 | 11,968 | 396 | 4,892 | 24,644 | |
| Naphthas and Lighter | 1,716 | 4 | 1,720 | 0 | 2,133 | 84 | 418 | 2,635 | 510 | 3,732 | 2,775 | 66 | 5 | 7,088 | 303 | 3,479 | 15,225 | |
| Kerosene and Lighter Gas Oils | 4,239 | 365 | 4,604 | 103 | 3,927 | 167 | 1,563 | 5,760 | 558 | 7,152 | 5,878 | 162 | 153 | 13,903 | 1,097 | 11,297 | 36,661 | |
| Heavy Gas Oils | 1,163 | 226 | 1,389 | 1 | 2,897 | 4 | 977 | 3,879 | 310 | 3,449 | 3,243 | 72 | 0 | 7,074 | 663 | 4,205 | 17,210 | |
| Residuum | 11,029 | 710 | 11,739 | 130 | 11,235 | 377 | 3,894 | 15,636 | 2,007 | 20,504 | 16,827 | 504 | 191 | 40,033 | 2,459 | 23,873 | 93,740 | |
| Total | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1964
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|---------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | Dist. V |
| | | | | | | | | | | | | | | | | | |
| Motor Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 4,087 | 81 | 4,168 | 39 | 5,617 | 834 | 1,647 | 8,137 | 1,484 | 6,481 | 6,398 | 151 | 142 | 14,656 | 2,154 | 7,753 | 36,868 |
| Bulk Terminal | -- | -- | 117 | -- | -- | -- | -- | 160 | -- | -- | -- | -- | -- | 572 | 0 | 241 | 1,090 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 40 | -- | -- | -- | -- | -- | 94 | 0 | 0 | 134 |
| Total | -- | -- | 4,285 | -- | -- | -- | -- | 8,337 | -- | -- | -- | -- | -- | 15,322 | 2,154 | 7,994 | 38,092 |
| Aviation Gasoline Blending Components | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 0 | 0 | 0 | 93 | 0 | 19 | 112 | 0 | 37 | 106 | 0 | 0 | 143 | 0 | 30 | 285 |
| Total | -- | -- | 0 | -- | -- | -- | -- | 112 | -- | -- | -- | -- | -- | 143 | 0 | 30 | 285 |
| Total Finished Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 5,636 | 506 | 6,142 | 120 | 6,739 | 1,312 | 3,377 | 11,548 | 2,266 | 8,567 | 4,592 | 830 | 173 | 16,428 | 2,671 | 8,957 | 45,746 |
| Bulk Terminal | -- | -- | 41,948 | -- | -- | -- | -- | 34,526 | -- | -- | -- | -- | -- | 12,483 | 1,730 | 12,418 | 103,105 |
| Pipeline | -- | -- | 15,444 | -- | -- | -- | -- | 17,979 | -- | -- | -- | -- | -- | 19,373 | 1,337 | 2,407 | 56,540 |
| Total | -- | -- | 63,534 | -- | -- | -- | -- | 64,053 | -- | -- | -- | -- | -- | 48,284 | 5,738 | 23,782 | 205,391 |
| Finished Leaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 2,392 | 292 | 2,684 | 67 | 2,946 | 818 | 1,860 | 5,691 | 1,311 | 3,412 | 1,532 | 326 | 91 | 6,672 | 1,540 | 3,643 | 20,230 |
| Bulk Terminal | -- | -- | 17,859 | -- | -- | -- | -- | 17,482 | -- | -- | -- | -- | -- | 6,103 | 969 | 6,371 | 48,784 |
| Pipeline | -- | -- | 5,294 | -- | -- | -- | -- | 9,052 | -- | -- | -- | -- | -- | 7,383 | 839 | 892 | 23,460 |
| Total | -- | -- | 25,837 | -- | -- | -- | -- | 32,225 | -- | -- | -- | -- | -- | 20,158 | 3,348 | 10,906 | 92,474 |
| Finished Unleaded Motor Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 3,244 | 214 | 3,458 | 53 | 3,793 | 494 | 1,517 | 5,857 | 955 | 5,155 | 3,060 | 504 | 82 | 9,756 | 1,131 | 5,314 | 25,516 |
| Bulk Terminal | -- | -- | 24,089 | -- | -- | -- | -- | 17,044 | -- | -- | -- | -- | -- | 6,380 | 761 | 6,047 | 54,321 |
| Pipeline | -- | -- | 10,150 | -- | -- | -- | -- | 8,927 | -- | -- | -- | -- | -- | 11,990 | 498 | 1,515 | 33,080 |
| Total | -- | -- | 37,697 | -- | -- | -- | -- | 31,828 | -- | -- | -- | -- | -- | 28,126 | 2,390 | 12,876 | 112,917 |
| Finished Aviation Gasoline | | | | | | | | | | | | | | | | | |
| Refinery | 44 | 0 | 44 | 0 | 102 | 0 | 12 | 114 | 33 | 386 | 216 | 0 | 0 | 635 | 80 | 256 | 1,129 |
| Bulk Terminal | -- | -- | 463 | -- | -- | -- | -- | 365 | -- | -- | -- | -- | -- | 86 | 7 | 447 | 1,368 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 43 | -- | -- | -- | -- | -- | 22 | 0 | 135 | 200 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 29 | 0 | 0 | 29 |
| Total | -- | -- | 507 | -- | -- | -- | -- | 522 | -- | -- | -- | -- | -- | 772 | 87 | 838 | 2,726 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | | PAD District III | | | | PAD District IV | | United States | |
|--|----------------|----------------|--------|-----------------|-----------------|---------------------|-------------------|--------|--------------|------------------|----------------|---------------|------------|-----------------|------------|---------------|---------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ill., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mtn. | | Dist. V |
| | | | | | | | | | | | | | | | | | |
| Naphtha-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 382 | 30 | 412 | 0 | 585 | 102 | 146 | 833 | 393 | 690 | 373 | 181 | 116 | 1,753 | 258 | 822 | 4,078 |
| Bulk Terminal | — | — | 514 | — | — | — | — | 476 | — | — | — | — | — | 83 | 11 | 414 | 1,498 |
| Pipeline | — | — | 196 | — | — | — | — | 105 | — | — | — | — | — | 569 | 118 | 297 | 1,285 |
| Total | — | — | 1,122 | — | — | — | — | 1,414 | — | — | — | — | — | 2,405 | 387 | 1,533 | 6,861 |
| Kerosene-Type Jet Fuel | | | | | | | | | | | | | | | | | |
| Refinery | 935 | 0 | 935 | 0 | 1,126 | 101 | 408 | 1,635 | 333 | 2,604 | 2,469 | 5 | 57 | 5,468 | 366 | 3,161 | 11,565 |
| Bulk Terminal | — | — | 4,458 | — | — | — | — | 4,853 | — | — | — | — | — | 2,272 | 172 | 2,136 | 13,891 |
| Pipeline | — | — | 2,840 | — | — | — | — | 2,484 | — | — | — | — | — | 3,620 | 158 | 560 | 9,662 |
| Total | — | — | 8,233 | — | — | — | — | 8,972 | — | — | — | — | — | 11,360 | 696 | 5,857 | 35,118 |
| Kerosene | | | | | | | | | | | | | | | | | |
| Refinery | 427 | 60 | 487 | 40 | 613 | 161 | 346 | 1,160 | 72 | 541 | 666 | 65 | 10 | 1,354 | 0 | 251 | 3,252 |
| Bulk Terminal | — | — | 5,198 | — | — | — | — | 1,644 | — | — | — | — | — | 379 | 25 | 33 | 7,279 |
| Pipeline | — | — | 354 | — | — | — | — | 376 | — | — | — | — | — | 612 | 0 | 0 | 1,342 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| Total | — | — | 6,039 | — | — | — | — | 3,180 | — | — | — | — | — | 2,348 | 25 | 284 | 11,876 |
| Distillate Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 7,663 | 390 | 8,053 | 91 | 7,280 | 1,749 | 2,991 | 12,111 | 1,092 | 6,630 | 3,747 | 1,342 | 133 | 12,944 | 2,152 | 5,110 | 40,370 |
| Bulk Terminal | — | — | 55,642 | — | — | — | — | 21,626 | — | — | — | — | — | 6,413 | 937 | 5,907 | 90,525 |
| Pipeline | — | — | 9,103 | — | — | — | — | 9,952 | — | — | — | — | — | 9,648 | 641 | 895 | 30,239 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| Total | — | — | 72,798 | — | — | — | — | 43,689 | — | — | — | — | — | 29,007 | 3,730 | 11,912 | 161,136 |
| Residual Fuel Oils | | | | | | | | | | | | | | | | | |
| Refinery | 2,516 | 113 | 2,629 | 34 | 1,699 | 287 | 167 | 2,187 | 359 | 4,003 | 3,129 | 154 | 4 | 7,649 | 608 | 6,466 | 19,539 |
| Bulk Terminal | — | — | 26,458 | — | — | — | — | 1,360 | — | — | — | — | — | 3,572 | 0 | 2,120 | 33,510 |
| Pipeline | — | — | 5 | — | — | — | — | 0 | — | — | — | — | — | 0 | 0 | 160 | 165 |
| Total | — | — | 29,092 | — | — | — | — | 3,547 | — | — | — | — | — | 11,221 | 608 | 8,746 | 53,214 |
| Naphtha < 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 362 | 0 | 362 | 0 | 264 | 0 | 56 | 320 | 57 | 695 | 403 | 0 | 0 | 1,155 | 0 | 86 | 1,923 |
| Total | 362 | 0 | 362 | 0 | 264 | 0 | 56 | 320 | 57 | 695 | 403 | 0 | 0 | 1,155 | 0 | 86 | 1,923 |
| Other Oils > 400 Deg. Petro. Feedstock | | | | | | | | | | | | | | | | | |
| Refinery | 5 | 0 | 5 | 0 | 27 | 0 | 0 | 27 | 133 | 969 | 146 | 0 | 0 | 1,248 | 6 | 138 | 1,424 |
| Total | 5 | 0 | 5 | 0 | 27 | 0 | 0 | 27 | 133 | 969 | 146 | 0 | 0 | 1,248 | 6 | 138 | 1,424 |

See footnotes at end of table.

Table 24. Stocks of Crude Oil and Petroleum Products by PAD District, December 31, 1984
(Thousand Barrels) (continued)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | | | PAD District IV | | United States | |
|-------------------------------------|----------------|----------------|---------|-----------------|-----------|---------------------|-------------------|---------|------------------|------------------|----------------|---------------|------------|-----------------|-----------|---------------|-------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ky. | Minn., Wisc., Daks. | Okla., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La. Gulf Coast | No. La., Ark. | New Mexico | Total | Rocky Mt. | | PAD Dist. V |
| | | | | | | | | | | | | | | | | | |
| Special Naphthas | | | | | | | | | | | | | | | | | |
| Refinery | 30 | 44 | 74 | 0 | 224 | 0 | 143 | 367 | 45 | 878 | 116 | 174 | 0 | 1,213 | 7 | 326 | 1,987 |
| Bulk Terminal | -- | -- | 606 | -- | -- | -- | -- | 149 | -- | -- | -- | -- | -- | 56 | 0 | 33 | 844 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 | 0 | 0 | 0 | 120 | 0 | 0 | 120 |
| Total | -- | -- | 680 | -- | -- | -- | -- | 516 | -- | -- | -- | -- | -- | 1,389 | 7 | 359 | 2,951 |
| Lubricants | | | | | | | | | | | | | | | | | |
| Refinery | 1,130 | 791 | 1,921 | 0 | 889 | 0 | 599 | 1,488 | 40 | 3,619 | 1,403 | 744 | 0 | 5,806 | 75 | 528 | 9,818 |
| Bulk Terminal | -- | -- | 1,068 | -- | -- | -- | -- | 931 | -- | -- | -- | -- | -- | 319 | 4 | 584 | 2,906 |
| Total | -- | -- | 2,989 | -- | -- | -- | -- | 2,419 | -- | -- | -- | -- | -- | 6,125 | 79 | 1,112 | 12,724 |
| Waxes | | | | | | | | | | | | | | | | | |
| Refinery | 0 | 67 | 67 | 0 | 39 | 0 | 48 | 87 | 18 | 211 | 138 | 68 | 0 | 435 | 12 | 51 | 652 |
| Total | -- | -- | 67 | -- | -- | -- | -- | 87 | -- | -- | -- | -- | -- | 435 | 12 | 51 | 652 |
| Petroleum Coke | | | | | | | | | | | | | | | | | |
| Refinery | 665 | 0 | 665 | 0 | 478 | 480 | 144 | 1,102 | 0 | 266 | 872 | 164 | 0 | 1,302 | 199 | 1,571 | 4,839 |
| Total | 665 | 0 | 665 | 0 | 478 | 480 | 144 | 1,102 | 0 | 266 | 872 | 164 | 0 | 1,302 | 199 | 1,571 | 4,839 |
| Asphalt and Road Oil | | | | | | | | | | | | | | | | | |
| Refinery | 1,359 | 121 | 1,480 | 216 | 2,143 | 1,253 | 758 | 4,370 | 530 | 426 | 600 | 867 | 274 | 2,697 | 1,503 | 1,574 | 11,624 |
| Bulk Terminal | -- | -- | 2,717 | -- | -- | -- | -- | 1,838 | -- | -- | -- | -- | -- | 536 | 201 | 267 | 5,559 |
| Total | -- | -- | 4,197 | -- | -- | -- | -- | 6,208 | -- | -- | -- | -- | -- | 3,233 | 1,704 | 1,841 | 17,183 |
| Miscellaneous Products | | | | | | | | | | | | | | | | | |
| Refinery | 97 | 24 | 121 | 0 | 142 | 11 | 1 | 154 | 65 | 340 | 308 | 87 | 0 | 800 | 21 | 116 | 1,212 |
| Bulk Terminal | -- | -- | 176 | -- | -- | -- | -- | 34 | -- | -- | -- | -- | -- | 194 | 1 | 100 | 505 |
| Pipeline | -- | -- | 0 | -- | -- | -- | -- | 131 | -- | -- | -- | -- | -- | 265 | 0 | 19 | 415 |
| Natural Gas Processing Plant | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 11 | 0 | 0 | 2 | 0 | 13 | 0 | 0 | 16 |
| Total | -- | -- | 297 | -- | -- | -- | -- | 322 | -- | -- | -- | -- | -- | 1,272 | 22 | 235 | 2,148 |
| Total Stocks, All Oils | | | | | | | | | | | | | | | | | |
| | -- | -- | 227,124 | -- | -- | -- | -- | 268,069 | -- | -- | -- | -- | -- | 853,077 | 32,738 | 174,071 | 1,555,079 |

1 Includes 33,879 thousand barrels of domestic crude oil.

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable.

Table 25. Refinery and Bulk Terminal Stocks of Selected Petroleum Products by State, December 31, 1984
(Thousand Barrels)

| State | Leaded Motor Gasoline | Unleaded Motor Gasoline | Kerosene | Distillate Fuel Oil | Residual Fuel Oil |
|-------------------------------|-----------------------------|-------------------------------|---------------|---------------------------|-------------------------|
| PAD District I Total | 20,543 | 27,547 | 5,685 | 63,695 | 29,087 |
| Connecticut | 571 | 964 | 110 | 2,911 | 922 |
| Delaware, D.C., Maryland | 830 | 1,511 | 645 | 5,361 | 2,987 |
| Florida | 2,451 | 3,237 | 312 | 2,303 | 1,048 |
| Georgia | 1,499 | 1,616 | 118 | 1,401 | 250 |
| Maine | 326 | 609 | 113 | 1,421 | 396 |
| Massachusetts | 1,028 | 1,093 | 62 | 4,358 | 721 |
| New Hampshire, Vermont | 100 | 115 | w | 903 | 187 |
| New Jersey | 2,998 | 4,967 | 1,124 | 17,726 | 12,410 |
| New York | 2,792 | 3,677 | 587 | 9,904 | 5,389 |
| North Carolina | 1,455 | 1,519 | 764 | 1,952 | 466 |
| Pennsylvania | 3,443 | 4,587 | 1,027 | 8,785 | 2,182 |
| Rhode Island | 291 | 545 | w | 1,790 | 127 |
| South Carolina | 912 | 1,097 | 279 | 1,403 | 546 |
| Virginia | 1,606 | 1,781 | 401 | 3,238 | 1,399 |
| West Virginia | 241 | 229 | 40 | 239 | 57 |
| PAD District II Total | 23,173 | 22,901 | 2,804 | 33,737 | 3,547 |
| Illinois | 4,298 | 4,973 | 358 | 6,464 | 822 |
| Indiana | 3,168 | 2,974 | 564 | 4,744 | 552 |
| Iowa | 988 | 849 | w | 1,570 | w |
| Kansas | 1,772 | 1,622 | 75 | 2,406 | 74 |
| Kentucky | 1,038 | 1,234 | 215 | 1,571 | 275 |
| Michigan | 2,354 | 2,245 | 216 | 3,018 | 344 |
| Minnesota | 1,383 | 1,026 | w | 2,362 | 284 |
| Missouri | 952 | 770 | w | 978 | w |
| Nebraska | 395 | 150 | 0 | 391 | 0 |
| North & South Dakota | 413 | 283 | 0 | 1,025 | w |
| Ohio | 2,608 | 3,256 | 734 | 3,882 | 418 |
| Oklahoma | 1,244 | 1,144 | 279 | 1,734 | 184 |
| Tennessee | 1,251 | 1,203 | 121 | 1,324 | 206 |
| Wisconsin | 1,309 | 1,172 | w | 2,268 | 97 |
| PAD District III Total | 12,775 | 16,136 | 1,733 | 19,357 | 11,221 |
| Alabama | 1,006 | 937 | 84 | 956 | 656 |
| Arkansas | 223 | 180 | w | 192 | 59 |
| Louisiana | 1,693 | 3,046 | 677 | 3,747 | 4,603 |
| Mississippi | 1,029 | 1,236 | 17 | 2,121 | 486 |
| New Mexico | 298 | 205 | w | 263 | 4 |
| Texas | 8,526 | 10,532 | 941 | 12,078 | 5,413 |
| PAD District IV Total | 2,509 | 1,892 | 25 | 3,089 | 508 |
| Colorado | 629 | 626 | 0 | 547 | 152 |
| Idaho | 263 | 106 | 0 | 253 | 0 |
| Montana | 614 | 425 | w | 989 | 109 |
| Utah | 326 | 269 | 0 | 625 | 242 |
| Wyoming | 677 | 466 | w | 675 | 105 |
| PAD District V Total | 10,014 | 11,361 | 284 | 11,017 | 8,586 |
| Alaska | 503 | 351 | w | 1,349 | w |
| Arizona | 410 | 294 | w | 378 | 0 |
| California | 5,578 | 7,566 | 197 | 5,314 | 6,146 |
| Hawaii | 274 | 234 | 0 | 296 | w |
| Nevada | 155 | 235 | w | 187 | w |
| Oregon | 971 | 751 | w | 1,181 | 302 |
| Washington | 2,123 | 1,930 | w | 2,312 | 1,121 |
| United States Total | 69,014 | 79,837 | 10,531 | 130,895 | 53,049 |

Table 26. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge between PAD Districts, December 1984
(Thousand Barrels)

| Commodity | From I to | | | | | From II to | | | | | From III to | | | | | From IV to | | | | | From V to | | | | |
|--|-----------|-----|---|-------|-------|------------|-----|----|---|---|-------------|--------|---|-------|-------|------------|-------|-------|-----|--------|-----------|----|--------|----|--|
| | II | III | V | I | III | I | III | IV | V | I | II | IV | V | II | III | V | I | II | III | V | I | II | III | IV | |
| Crude Oil (Tanker and Barge only) | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 390 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,808 | 0 | 13,218 | 0 | |
| Petroleum Products | 9,903 | 206 | 0 | 3,669 | 6,349 | 2,234 | 0 | 0 | 0 | 0 | 88,999 | 31,020 | 0 | 1,624 | 1,796 | 630 | 1,220 | 0 | 0 | 0 | 0 | 0 | 43 | 0 | |
| Pentanes Plus | 0 | 0 | 0 | 0 | 350 | 0 | 0 | 0 | 0 | 0 | 0 | 585 | 0 | 0 | 118 | 83 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 1,664 | 2,788 | 221 | 0 | 0 | 0 | 0 | 2,100 | 6,846 | 0 | 0 | 775 | 547 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 708 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Motor Gasoline Blending Components .. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Aviation Gasoline Blending Components .. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Finished Motor Gasoline | 6,643 | 0 | 0 | 1,345 | 1,949 | 1,186 | 0 | 0 | 0 | 0 | 49,399 | 14,957 | 0 | 912 | 487 | 0 | 875 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Finished Leaded Motor Gasoline | 3,251 | 0 | 0 | 420 | 840 | 641 | 0 | 0 | 0 | 0 | 16,238 | 6,748 | 0 | 449 | 284 | 0 | 551 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Finished Unleaded Motor Gasoline | 3,392 | 0 | 0 | 925 | 1,109 | 545 | 0 | 0 | 0 | 0 | 33,161 | 8,209 | 0 | 463 | 203 | 0 | 324 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Finished Aviation Gasoline | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 166 | 36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Naphtha-Type Jet Fuel | 123 | 40 | 0 | 0 | 170 | 0 | 0 | 0 | 0 | 0 | 542 | 40 | 0 | 245 | 105 | 0 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Kerosene-Type Jet Fuel | 470 | 0 | 0 | 82 | 66 | 693 | 0 | 0 | 0 | 0 | 10,070 | 3,305 | 0 | 135 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Kerosene | 117 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 909 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Distillate Fuel Oil | 2,457 | 20 | 0 | 236 | 553 | 134 | 0 | 0 | 0 | 0 | 22,565 | 4,473 | 0 | 322 | 311 | 0 | 211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Residual Fuel Oil | 0 | 0 | 0 | 86 | 349 | 0 | 0 | 0 | 0 | 0 | 1,047 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Naphtha and Other Oils for Petro. | 25 | 70 | 0 | 33 | 63 | 0 | 0 | 0 | 0 | 0 | 41 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Feedstock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 244 | 137 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Special Naphthas | 0 | 59 | 0 | 56 | 61 | 0 | 0 | 0 | 0 | 0 | 409 | 296 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43 | 0 | |
| Lubricants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 167 | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Asphalt and Road Oil | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 623 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Miscellaneous Products | 52 | 17 | 0 | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Total All Products | 9,903 | 206 | 0 | 3,717 | 6,349 | 2,234 | 0 | 0 | 0 | 0 | 89,389 | 31,020 | 0 | 1,624 | 1,796 | 630 | 1,220 | 3,808 | 0 | 13,261 | 0 | 0 | 0 | 0 | |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 27. Movements of Petroleum Products by Pipeline between PAD Districts, December 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | From IV to | | | From V to | | |
|---|-----------|-----|---|------------|-------|-------|-------------|--------|--------|------------|-------|-----|-----------|-----|----|
| | II | III | I | II | III | IV | I | II | IV | V | II | III | V | III | IV |
| Pentanes Plus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 4,675 | 0 | 0 | 1,133 | 1,913 | 0 | 1,186 | 37,497 | 14,202 | 0 | 912 | 487 | 0 | 875 | 0 |
| Finished Leaded Motor Gasoline | 2,237 | 0 | 0 | 346 | 831 | 641 | 12,351 | 6,476 | 0 | 449 | 284 | 0 | 551 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 2,438 | 0 | 0 | 787 | 1,082 | 545 | 25,146 | 7,726 | 0 | 463 | 203 | 0 | 324 | 0 | 0 |
| Finished Aviation Gasoline | 16 | 0 | 0 | 0 | 0 | 0 | 56 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 0 | 0 | 0 | 0 | 170 | 0 | 287 | 40 | 0 | 245 | 105 | 0 | 90 | 0 | 0 |
| Kerosene-Type Jet Fuel | 255 | 0 | 0 | 80 | 66 | 693 | 7,953 | 2,996 | 0 | 135 | 0 | 0 | 44 | 0 | 0 |
| Kerosene | 55 | 0 | 0 | 0 | 0 | 0 | 736 | 99 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 1,667 | 0 | 0 | 190 | 507 | 134 | 18,135 | 4,050 | 0 | 322 | 311 | 0 | 211 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 0 | 0 | 0 | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 6,668 | 0 | 0 | 3,206 | 5,794 | 2,234 | 66,519 | 28,848 | 0 | 1,614 | 1,796 | 630 | 1,220 | 0 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 28. Movements of Crude Oil and Petroleum Products by Tanker and Barge between PAD Districts, December 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | | | From V to | | |
|---|-----------|-----|---|------------|-----|---|-------------|---------|----------|---------|-------|-----------|-------|--------|
| | II | III | V | I | III | V | I | New Eng | Cent Atl | Low Atl | II | V | I | II |
| Crude Oil | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 390 | 0 | 390 | 0 | 0 | 0 | 3,808 |
| Petroleum Products | 3,235 | 206 | 0 | 463 | 555 | 0 | 22,480 | 800 | 4,726 | 16,954 | 2,172 | 10 | 0 | 0 |
| Liquefied Petroleum Gases | 0 | 0 | 0 | 0 | 0 | 0 | 245 | 0 | 0 | 245 | 0 | 0 | 0 | 43 |
| Unfinished Oils | 0 | 0 | 0 | 0 | 0 | 0 | 708 | 0 | 604 | 104 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 1,968 | 0 | 0 | 212 | 36 | 0 | 11,902 | 0 | 878 | 11,024 | 755 | 0 | 0 | 0 |
| Finished Leaded Motor Gasoline | 1,014 | 0 | 0 | 74 | 9 | 0 | 3,887 | 0 | 60 | 3,827 | 272 | 0 | 0 | 0 |
| Finished Unleaded Motor Gasoline | 954 | 0 | 0 | 138 | 27 | 0 | 8,015 | 0 | 818 | 7,197 | 483 | 0 | 0 | 0 |
| Finished Aviation Gasoline | 0 | 0 | 0 | 0 | 0 | 0 | 110 | 28 | 9 | 73 | 6 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 123 | 40 | 0 | 0 | 0 | 0 | 255 | 0 | 0 | 255 | 0 | 0 | 0 | 0 |
| Kerosene-Type Jet Fuel | 215 | 0 | 0 | 2 | 0 | 0 | 2,117 | 208 | 265 | 1,644 | 309 | 0 | 0 | 0 |
| Kerosene | 62 | 0 | 0 | 12 | 0 | 0 | 173 | 0 | 70 | 103 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 790 | 20 | 0 | 46 | 46 | 0 | 4,430 | 564 | 1,247 | 2,619 | 423 | 0 | 0 | 0 |
| Residual Fuel Oil | 0 | 0 | 0 | 86 | 349 | 0 | 1,047 | 0 | 552 | 495 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. Feed. Use | 25 | 70 | 0 | 33 | 63 | 0 | 41 | 0 | 30 | 11 | 40 | 0 | 0 | 0 |
| Special Naphthas | 0 | 0 | 0 | 0 | 0 | 0 | 244 | 0 | 161 | 83 | 137 | 10 | 0 | 0 |
| Lubricants | 0 | 59 | 0 | 56 | 61 | 0 | 409 | 0 | 287 | 122 | 296 | 0 | 0 | 43 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 0 | 0 | 0 | 7 | 0 | 0 | 167 | 0 | 0 | 167 | 148 | 0 | 0 | 0 |
| Miscellaneous Products | 52 | 17 | 0 | 9 | 0 | 0 | 623 | 0 | 623 | 0 | 58 | 0 | 0 | 0 |
| Total | 3,235 | 206 | 0 | 511 | 555 | 0 | 22,870 | 800 | 5,116 | 16,954 | 2,172 | 10 | 3,808 | 13,261 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 29. Net Movements of Crude Oil and Petroleum Products by Mode of Transportation (Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | PAD District III | | | PAD District IV | | | PAD District V | | |
|---|----------------------|-----------------------|---------------------|-----------------------|------------------------|----------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|----------------------|----------------------|-----------------------|---------------------|
| | Receipts into PADD I | Shipments from PADD I | Net Receipts PADD I | Receipts into PADD II | Shipments from PADD II | Net Receipts PADD II | Receipts into PADD III | Shipments from PADD III | Net Receipts PADD III | Receipts into PADD IV | Shipments from PADD IV | Net Receipts PADD IV | Receipts into PADD V | Shipments from PADD V | Net Receipts PADD V |
| Crude Oil (Tanker and Barge only) | 4,246 | 0 | 4,246 | 0 | 48 | -48 | 13,218 | 390 | 12,828 | 0 | 0 | 0 | 0 | 17,026 | -17,026 |
| Petroleum Products | 92,668 | 10,109 | 82,559 | 42,719 | 12,252 | 30,467 | 7,228 | 121,643 | -114,415 | 2,234 | 3,646 | -1,412 | 2,844 | 43 | 2,801 |
| Pentanes Plus | 0 | 0 | 0 | 703 | 350 | 353 | 433 | 585 | -152 | 0 | 201 | -201 | 0 | 0 | 0 |
| Liquefied Petroleum Gases | 3,764 | 0 | 3,764 | 7,621 | 4,673 | 2,948 | 3,335 | 8,946 | -5,611 | 221 | 1,322 | -1,101 | 0 | 0 | 0 |
| Unfinished Oils | 708 | 0 | 708 | 0 | 0 | 0 | 0 | 708 | -708 | 0 | 0 | 0 | 0 | 0 | 0 |
| Motor Gasoline Blending Components | 9 | 0 | 9 | 0 | 0 | 0 | 0 | 9 | -9 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aviation Gasoline Blending Components | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Finished Motor Gasoline | 50,744 | 6,643 | 44,101 | 22,087 | 4,480 | 17,607 | 1,949 | 65,268 | -63,319 | 1,186 | 1,362 | -176 | 1,787 | 0 | 1,787 |
| Finished Lead Motor Gasoline | 16,658 | 3,251 | 13,407 | 10,283 | 1,901 | 8,382 | 840 | 23,435 | -22,595 | 641 | 835 | -194 | 1,000 | 0 | 1,000 |
| Finished Unleaded Motor Gasoline | 34,086 | 3,392 | 30,694 | 11,804 | 2,579 | 9,225 | 1,109 | 41,833 | -40,724 | 545 | 527 | 18 | 787 | 0 | 787 |
| Finished Aviation Gasoline | 166 | 16 | 150 | 52 | 0 | 52 | 0 | 202 | -202 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha-Type Jet Fuel | 542 | 163 | 379 | 268 | 170 | 98 | 210 | 827 | -617 | 0 | 195 | -195 | 335 | 0 | 335 |
| Kerosene-Type Jet Fuel | 10,152 | 470 | 9,682 | 3,775 | 841 | 2,934 | 66 | 13,510 | -13,444 | 693 | 44 | 649 | 179 | 0 | 179 |
| Kerosene | 921 | 117 | 804 | 216 | 12 | 204 | 0 | 1,008 | -1,008 | 0 | 0 | 0 | 0 | 0 | 0 |
| Distillate Fuel Oil | 22,801 | 2,477 | 20,324 | 7,241 | 923 | 6,318 | 573 | 27,360 | -26,787 | 134 | 522 | -388 | 533 | 0 | 533 |
| Residual Fuel Oil | 1,133 | 0 | 1,133 | 0 | 435 | -435 | 349 | 1,047 | -698 | 0 | 0 | 0 | 0 | 0 | 0 |
| Naphtha and Other Oils for Petro. Feedstock Use | 74 | 95 | -21 | 65 | 96 | -31 | 133 | 81 | 52 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Naphthas | 244 | 0 | 244 | 137 | 0 | 137 | 0 | 391 | -391 | 0 | 0 | 0 | 10 | 0 | 10 |
| Lubricants | 465 | 59 | 406 | 296 | 117 | 179 | 163 | 705 | -542 | 0 | 0 | 0 | 0 | 43 | -43 |
| Waxes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Asphalt and Road Oil | 174 | 0 | 174 | 148 | 7 | 141 | 0 | 315 | -315 | 0 | 0 | 0 | 0 | 0 | 0 |
| Miscellaneous Products | 771 | 69 | 702 | 110 | 148 | -38 | 17 | 681 | -664 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total All Products | 96,914 | 10,109 | 86,805 | 42,719 | 12,300 | 30,419 | 20,446 | 122,033 | -101,587 | 2,234 | 3,646 | -1,412 | 2,844 | 17,069 | -14,225 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 30. Production of Residual Fuel Oil by Sulfur Content, December 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | PAD District IV | | | United States |
|---------------------------------|----------------|----------------|-------|-----------------|-----------|--------------------|------------------|-------|------------------|------------------|-----------------|-----------------|------------|--------|-----------------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La., Gulf Coast | No. La., Ark. | New Mexico | Total | PAD Dist. V Rocky Mt. Coast |
| Residual Fuel Oil | 4,828 | 207 | 5,035 | 72 | 1,852 | 319 | 338 | 2,581 | 831 | 7,339 | 4,209 | 263 | 12 | 12,654 | 353 |
| 0.00 to 0.30% Sulfur | 980 | 13 | 993 | 0 | 81 | 0 | 0 | 81 | 22 | 197 | 305 | 118 | 6 | 648 | 92 |
| 0.31 to 1.00% Sulfur | 2,708 | 7 | 2,715 | 28 | 241 | 0 | 147 | 416 | 590 | 918 | 1,497 | 98 | 0 | 3,103 | 91 |
| Greater Than 1.00% Sulfur | 1,140 | 187 | 1,327 | 44 | 1,530 | 319 | 191 | 2,084 | 219 | 6,224 | 2,407 | 47 | 6 | 8,903 | 170 |
| | | | | | | | | | | | | | | | 9,220 |
| | | | | | | | | | | | | | | | 21,704 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 31. Stocks of Residual Fuel Oil by Sulfur Content, December 1984
(Thousand Barrels)

| Commodity | PAD District I | | | PAD District II | | | | | PAD District III | | | PAD District IV | | | United States |
|--|----------------|----------------|--------|-----------------|-----------|--------------------|------------------|-------|------------------|------------------|-----------------|-----------------|------------|-------|-----------------------------|
| | East Coast | Appalachian #1 | Total | Appalachian #2 | Ind., Ky. | Minn., Wisc., Dak. | Okl., Kans., Mo. | Total | Texas Inland | Texas Gulf Coast | La., Gulf Coast | No. La., Ark. | New Mexico | Total | PAD Dist. V Rocky Mt. Coast |
| Residual Fuel Oil -- 0.00 to 0.30% Sulfur | | | | | | | | | | | | | | | |
| Refinery | 442 | 21 | 463 | 0 | 68 | 0 | 0 | 68 | 50 | 26 | 291 | 21 | 4 | 392 | 111 |
| Bulk Terminal | -- | -- | 7,428 | -- | -- | -- | -- | 179 | -- | -- | -- | -- | -- | 0 | 0 |
| Total | -- | -- | 7,891 | -- | -- | -- | -- | 247 | -- | -- | -- | -- | -- | 392 | 111 |
| | | | | | | | | | | | | | | | 498 |
| | | | | | | | | | | | | | | | 7,607 |
| | | | | | | | | | | | | | | | 9,139 |
| Residual Fuel Oil -- 0.31 to 1.00% Sulfur | | | | | | | | | | | | | | | |
| Refinery | 1,227 | 4 | 1,231 | 31 | 351 | 4 | 106 | 492 | 144 | 697 | 1,395 | 78 | 0 | 2,314 | 147 |
| Bulk Terminal | -- | -- | 9,721 | -- | -- | -- | -- | 326 | -- | -- | -- | -- | -- | 2,039 | 0 |
| Total | -- | -- | 10,952 | -- | -- | -- | -- | 818 | -- | -- | -- | -- | -- | 4,353 | 147 |
| | | | | | | | | | | | | | | | 1,638 |
| | | | | | | | | | | | | | | | 5,822 |
| | | | | | | | | | | | | | | | 12,442 |
| | | | | | | | | | | | | | | | 18,264 |
| Residual Fuel Oil -- Greater than 1.00% Sulfur | | | | | | | | | | | | | | | |
| Refinery | 847 | 88 | 935 | 3 | 1,280 | 283 | 61 | 1,627 | 165 | 3,280 | 1,443 | 55 | 0 | 4,943 | 350 |
| Bulk Terminal | -- | -- | 9,309 | -- | -- | -- | -- | 855 | -- | -- | -- | -- | -- | 1,533 | 0 |
| Total | -- | -- | 10,244 | -- | -- | -- | -- | 2,482 | -- | -- | -- | -- | -- | 6,476 | 350 |
| | | | | | | | | | | | | | | | 4,330 |
| | | | | | | | | | | | | | | | 12,185 |
| | | | | | | | | | | | | | | | 13,461 |
| | | | | | | | | | | | | | | | 25,646 |

Source: See Explanatory Notes on Data Collection and Estimation.

-- Not Applicable

Table 32. Movements of Residual Fuel Oil by Tanker and Barge between PAD Districts, by Sulfur Content, December 1984
(Thousand Barrels)

| Commodity | From I to | | | From II to | | | From III to | | | From V to | | |
|---------------------------------|-----------|-----|---|------------|-----|---|-------------|---------|--------|-----------|----|-----|
| | II | III | V | I | III | V | I | Cent At | Low At | I | II | III |
| Residual Fuel Oil | 0 | 0 | 0 | 86 | 349 | 0 | 1,047 | 0 | 552 | 495 | 0 | 0 |
| 0.00 to 0.30% Sulfur | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0.31 to 1.00% Sulfur | 0 | 0 | 0 | 0 | 63 | 0 | 552 | 0 | 552 | 0 | 0 | 0 |
| Greater Than 1.00% Sulfur | 0 | 0 | 0 | 86 | 286 | 0 | 495 | 0 | 0 | 495 | 0 | 0 |

Source: See Explanatory Notes on Data Collection and Estimation.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, December 1984
(Thousand Barrels)

| Country | Residual Fuel Oil | | | | Total |
|----------------------------------|-------------------|------------------|-----------------------|--|-------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | | |
| Arab OPEC | | | | | |
| Algeria | 2,184 | 0 | 0 | | 2,184 |
| Iraq | 0 | 0 | 0 | | 0 |
| Kuwait | 0 | 0 | 0 | | 0 |
| Libya | 0 | 0 | 0 | | 0 |
| Qatar | 0 | 0 | 0 | | 0 |
| Saudi Arabia | 0 | 0 | 0 | | 0 |
| United Arab Emirates | 0 | 0 | 0 | | 0 |
| Subtotal Arab OPEC | 2,184 | 0 | 0 | | 2,184 |
| Other OPEC | | | | | |
| Ecuador | 0 | 0 | 278 | | 278 |
| Gabon | 0 | 0 | 0 | | 0 |
| Indonesia | 0 | 0 | 0 | | 0 |
| Iran | 0 | 0 | 0 | | 0 |
| Nigeria | 0 | 0 | 0 | | 0 |
| Venezuela | 898 | 340 | 2,855 | | 4,093 |
| Subtotal Other OPEC | 898 | 340 | 3,134 | | 4,371 |
| Other | | | | | |
| Angola | 0 | 0 | 0 | | 0 |
| Australia | 0 | 328 | 9 | | 337 |
| Bahamas | 550 | 105 | 97 | | 752 |
| Bolivia | 0 | 0 | 0 | | 0 |
| Brazil | 981 | 0 | 0 | | 981 |
| Brunei | 0 | 0 | 0 | | 0 |
| Canada | 277 | 268 | 750 | | 1,295 |
| Congo | 170 | 0 | 0 | | 170 |
| Egypt | 0 | 0 | 0 | | 0 |
| France | 0 | 0 | 0 | | 0 |
| Ghana | 0 | 0 | 0 | | 0 |
| Liberia | 0 | 0 | 0 | | 0 |
| Malaysia | 0 | 0 | 0 | | 0 |
| Mexico | 329 | 0 | 7 | | 336 |
| Netherlands | 0 | 0 | 0 | | 0 |
| Netherlands Antilles | 799 | 0 | 1,951 | | 2,750 |
| Norway | 0 | 0 | 0 | | 0 |
| Oman | 0 | 0 | 281 | | 281 |
| People's Republic of China | 0 | 0 | 0 | | 0 |
| Peru | 152 | 0 | 0 | | 152 |
| Puerto Rico | 0 | 0 | 74 | | 74 |
| Romania | 0 | 0 | 0 | | 0 |
| Spain | 0 | 0 | 165 | | 165 |
| Syria | 0 | 0 | 0 | | 0 |
| Trinidad | 198 | 0 | 0 | | 198 |
| Tunisia | 0 | 0 | 0 | | 0 |
| United Kingdom | 0 | 0 | 0 | | 0 |
| Virgin Islands | 1,639 | 1,632 | 729 | | 4,000 |
| Yugoslavia | 0 | 0 | 0 | | 0 |
| Zaire | 0 | 0 | 0 | | 0 |

See footnotes at end of table.

Table 33. Imports of Residual Fuel Oil by Sulfur Content by Country of Origin, December 1984 (continued)

| Country | Residual Fuel Oil | | | Total |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| Other | | | | |
| Other Western Hemisphere | 182 | 0 | 199 | 381 |
| Other Eastern Hemisphere | 424 | 470 | 127 | 1,021 |
| Subtotal Other | 5,701 | 2,803 | 4,390 | 12,894 |
| Total Imports | 8,782 | 3,143 | 7,524 | 19,449 |

(s) = Less than 500 barrels.

Note: Total may not equal sum of components due to independent rounding.

Source: See Explanatory Notes on Data Collection and Estimation.

Table 34. Imports of Residual Fuel Oil by Sulfur Content by State of Entry, December 1984

| State | Residual Fuel Oil | | | Total |
|--------------------------------|-------------------|------------------|-----------------------|---------------|
| | 0.00 to 0.30% | 0.31 to 1.00% | Greater Than 1.00% | |
| PAD District I | 8,541 | 2,790 | 7,280 | 18,612 |
| Connecticut | 0 | 0 | 90 | 90 |
| Florida | 0 | 155 | 242 | 396 |
| Maine | 97 | 0 | 626 | 723 |
| Maryland | 126 | 248 | 335 | 708 |
| Massachusetts | 380 | 110 | 1,787 | 2,278 |
| New Hampshire | 0 | 0 | 98 | 98 |
| New Jersey | 1,488 | 581 | 1,147 | 3,216 |
| New York | 5,785 | 1,347 | 1,207 | 8,339 |
| North Carolina | 0 | 0 | 160 | 160 |
| Pennsylvania | 170 | 349 | 426 | 944 |
| Rhode Island | 184 | 0 | 39 | 223 |
| South Carolina | 0 | 0 | 189 | 189 |
| Vermont | 12 | 0 | (s) | 12 |
| Virginia | 299 | 0 | 934 | 1,233 |
| PAD District II | 57 | 0 | 100 | 157 |
| Illinois | 42 | 0 | 0 | 42 |
| Michigan | 0 | 0 | 44 | 44 |
| Minnesota | 0 | 0 | 8 | 8 |
| North Dakota | 1 | 0 | 2 | 3 |
| Ohio | 14 | 0 | 20 | 34 |
| Wisconsin | 0 | 0 | 26 | 26 |
| PAD District III | 182 | 0 | 3 | 185 |
| Texas | 182 | 0 | 3 | 185 |
| PAD District IV | 1 | 0 | 14 | 15 |
| Montana | 1 | 0 | 14 | 15 |
| PAD District V | (s) | 353 | 126 | 479 |
| California | 0 | 328 | 4 | 332 |
| Hawaii | (s) | 20 | 122 | 143 |
| Washington | 0 | 4 | 0 | 4 |
| All PAD Districts | 8,782 | 3,143 | 7,524 | 19,449 |

Glossary



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Definitions of Petroleum Products and Other Terms

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}-(\text{CH})_n-\text{OH}$. Alcohol includes methanol and ethanol.

Alkylation. A refinery process for chemically combining isoparaffin with olefin hydrocarbons. The product, alkylate, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr } 60\text{F}/60\text{F}} - 131.5$$

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene.

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituents, obtained by petroleum processing. The definition includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. The conversion factor for asphalt is 5.5 barrels of 42 U.S. gallons per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Aviation Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation gasoline.

Aviation Gasoline (Finished). All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910 and Military Specification MIL-G5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

Barrel. A volumetric unit of measure for crude oil and petroleum products equivalent to 42 U.S. gallons. This measure is used in most statistical reports. Factors for converting petroleum coke, asphalt and wax to barrels are given in the definitions for these products.

Barrels Per Calendar Day. See *Operable Capacity*.

Barrels Per Stream Day. See *Operable Capacity*.

Bi-Metallic. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of two metals (e.g. platinum, rhenium).

Butane. A normally gaseous straight-chain or branch-chain hydrocarbon. (C_4H_{10}). It is extracted from natural gas or refinery gas streams. It includes isobutane and normal butane and is covered by ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Isobutane. A normally gaseous branch-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees F. It is extracted from natural gas or refinery gas streams.

Normal Butane. A normally gaseous straight-chain hydrocarbon, (C_4H_{10}). It is a colorless paraffinic gas that boils at a temperature of 31.1 degrees F. It is extracted from natural gas or refinery gas streams.

Butylene. An olefinic hydrocarbon, (C_4H_8), recovered from refinery processes.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil.

Catalytic Hydrocracking. A refining process for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel and/or high grade fuel oil. Hydrocracking is an efficient, relatively low temperature process using hydrogen and a catalyst.

Catalytic Hydrotreating. A process for treating petroleum fractions (e.g. distillate fuel oil and residual oil) and unfinished oils (e.g. naphthas, reformer feeds and heavy gas oils) in the presence of catalysts and substantial quantities of hydrogen to upgrade their quality.

Catalytic Reforming. The use of controlled heat and pressure with catalysts to effect the rearrangement of certain hydrocarbon molecules without altering their composition appreciably; the conversion of low-octane gasoline fractions into higher octane stocks suitable for blending into finished gasoline; also the conversion of naphthas to obtain a more volatile product of higher octane number.

Conventional. A term used to describe a type of catalyst. A catalytic process utilizing a catalyst comprised of a metal and a non-metal (e.g. platinum, alumina).

Coal. A generic term applied to carbonaceous rocks that were formed by the partial or complete decomposition of vegetation. These stratified carbonaceous rocks are either solid or brittle and are highly combustible. In-

cludes lignite, bituminous coal, and anthracite which conform to ASTM Specification D388.

Crude Distillation. The refining process of separating crude oil components by heating and subsequent condensing of the fractions by cooling.

Crude Oil (including Lease Condensate). A mixture of hydrocarbons that existed in liquid phase in underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Included are lease condensate and liquid hydrocarbons produced from tar sands, gilsonite and oil shale. Drip gases are also included, but topped crude oil (residual) oil and other unfinished oils are excluded. Liquids produced at natural gas processing plants and mixed with crude oil are likewise excluded where identifiable. Crude oil is considered as either domestic or foreign according to the following:

Domestic. Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons are included.

Delayed Coking. A process to produce low Conradson carbon gas oil for catalytic cracking feedstock and for gasoline.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on-and-off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils; No. 1, No. 2, and No. 4 diesel fuels.

No. 1 Fuel Oil. A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D396 specifies for this grade maximum distillation temperatures of 400 degrees F. at the 10-percent point and 550 degrees F. at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees F.

No. 2 Fuel Oil. A distillate fuel oil for use in atomizing-type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D396 specifies for this grade distillation temperatures at the 90-percent point between 540 degrees and 640 degrees F., and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees F.

No. 1 and No. 2 Diesel Fuel Oils. Distillate fuel oils used in compression-ignition engines, as given by ASTM Specification D975:

No. 1-D. A volatile distillate fuel oil with a boiling range between 300-575 degrees F. and used in high-speed diesel engines generally operated under variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D975.

No. 2-D. A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees F. for use in high-speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D975.

No. 4 Fuel Oil. A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This grade is a blend of distillate fuel oil and residual fuel oils that conforms to ASTM Specification D396 and Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees F. Also included is No. 4-D, a fuel oil for low and medium-speed diesel engines that conforms to ASTM Specification D975.

Eastern Hemisphere. That half of the earth east of the Atlantic Ocean which includes Europe, Asia, Africa and Australia. The Hawaiian Foreign Trade Zone is in this hemisphere.

Electric Energy (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ethane. A normally gaseous straight-chain hydrocarbon, (C₂H₆). It is a colorless paraffinic gas that boils at a temperature of -127.48 degrees F. It is extracted from natural gas and refinery gas streams.

Ethylene. An olefinic hydrocarbon, (C₂H₄), recovered from refinery processes or petrochemical processes.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, and new supply of other hydrocarbons and alcohol.

Fluid Coking. A thermal process utilizing the fluidized solids technique for continuous conversion of heavy low-grade oils into lighter products.

Gasohol. See **Motor Gasoline (Finished).**

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. Derives its name from having originally been used in the manufacture of illuminating gas. Now supplies distillate-type fuel oils and diesel fuel, also cracked to produce gasoline.

Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished aviation or motor gasoline.

Idle Capacity. The component of operable capacity that is not in operation and not under active repairs, but capable of being placed in operation within 30 days; and capacity not in operation but under active repairs that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported

crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sand oil, gilsonite, and shale oil.

Isobutane. See **Butane**.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule. Used to convert normal butane into isobutane, an alkylation process feedstock, and normal pentane and hexane into isopentane and isohexane, high-octane gasoline components.

Kerosene. A petroleum distillate that boils at a temperature between 300-550 degrees F., that has a flash point higher than 100 degrees F. by ASTM Method D56, that has a gravity range from 40-46 degrees API, and that has a burning point in the range of 150-175 degrees F. Included are the two classifications recognized by ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil which have properties similar to No. 1 fuel oil, but with a gravity of about 43 degrees API and a maximum end-point of 625 degrees F. Kerosene is used in space heaters, cook stoves, and water heaters and is suitable for use as an illuminant when burned in wick lamps.

Kerosene-Type Jet Fuel. A quality kerosene product with an average gravity of 40.7 degrees API, and a 10 percent distillation temperature of 400 degrees F. It is covered by ASTM Specification D1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8). A relatively low-freezing point distillate of the kerosene type; it is used primarily for commercial turbojet and turboprop aircraft engines.

Lease Condensate. A natural gas liquid recovered from gas well gas (associated and nonassociated) in lease separators or natural gas field facilities. Lease condensate consists primarily of pentanes and heavier hydrocarbons.

Liquefied Petroleum Gases (LPG). Ethane, Ethylene, propane, propylene, normal butane, butylene, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/ or refrigeration they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane. Excludes still gas used for chemical or rubber manufacture which is reported as a petrochemical feedstock and also excludes liquefied petroleum gases intended for blending into gasoline which are reported as gasoline blending components. Liquefied refinery gases are reported for use as petrochemical feedstock or other uses.

Lubricating Oils. A substance used to reduce friction between bearing surfaces. Petroleum lubricants may be produced either from distillates or residues. Other substances may be added to impart or improve certain required properties. "Lubricants" includes all grades of lubricating oils from spindle oil to cylinder oil and those used in greases. The three categories include:

Bright Stock. A refined, high viscosity lubricating oil base stock that is usually made from a residuum by a treatment such as deasphalting, acid treatment, or solvent extraction.

Neutral. A distillate lubricating oil base stock with a viscosity that is usually not above 550 Saybolt Universal Seconds (SUS) at 100 degrees F. It is prepared by a treatment such as hydrofining, acid treatment, or solvent extraction.

Other. A lubricating oil base stock used in finished lubricating oils and greases, including black, coastal, and red oils.

Middle Distillates. A general classification that includes distillate fuel oil and kerosene.

Miscellaneous Products. Includes all finished products not classified elsewhere, e.g., petrolatum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, speciality oils and medicinal oils.

Motor Gasoline Blending Components. Finished components in the gasoline range which will be used for blending or compounding into finished motor gasoline. Pool gasoline is included in this category.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D439 or Federal Specification VV-G-1690B, include a boiling range of 122-158 degrees F. at the 10-percent point to 365-374 degrees F. at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Leaded Gasoline. Contains more than 0.05 gram of lead per gallon or more than 0.005 gram of phosphorus per gallon. The actual lead content of any given gallon, however, may vary as a function of the size of the producer and company according to specific Environmental Protection Agency waiver provisions. Premium and regular grades are included, depending on the octane rating. Includes leaded gasohol. Blendstock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Finished Unleaded Gasoline. Contains not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon. Premium and regular grades are included, depending on the octane rating. Includes unleaded gasohol. Blend stock is excluded until blending has been completed. Alcohol that is to be used in the blending of gasohol is also excluded.

Gasohol. A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F, meeting Military Specification MIL-T-5624L (Grade JP-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

Natural Gas. A mixture of hydrocarbons and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in underground reservoirs.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Plant Liquids. Natural gas liquids recovered from natural gas in gas processing plants, and in some situations, from natural gas field facilities. Natural gas liquids extracted by fractionators are also included. These liquids are defined according to the published specification of the Gas Processors Association and the American Society for Testing and Materials and are classified as follows: Ethane, propane, normal butane, isobutane, pentanes plus, and other products from natural gas processing plants (i.e. products meeting the standards for finished petroleum products produced at natural gas processing plants, such as finished motor gasoline, finished aviation gasoline, special naphthas, kerosene, distillate fuel oil, and miscellaneous products).

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C₅H₁₂), obtained by fractionation of natural gasoline or isomerization of normal pentane.

Normal Butane. See *Butane*.

OPEC. The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation, and not under active repairs but capable of being placed in operation within 30 days; or not in operation but under active repairs that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Barrels Per Calendar Day. The maximum number of barrels of input that can be processed in an atmos-

pheric distillation facility during a twenty-four hour period after making allowances for the following limitations:

The capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation.

The types and grades of inputs to be processed.

The types and grades of products expected to be manufactured.

The environmental constraints associated with refinery operations.

The reduction of capacity for scheduled downtime such as routine inspection, mechanical problems, maintenance, repairs and turnaround.

The reduction of capacity for unscheduled downtime such as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The amount a unit can process running at full capacity under optimal crude and product slate conditions.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline and plant condensate.

Petrochemical Feedstock Use. Chemical feedstocks derived from petroleum, principally for the manufacture of chemicals, synthetic rubber and a variety of plastics. The categories reported are "Naphtha-Less than 400 degrees F. end-point" and "Other oils over 400 degrees F. end point."

Naphtha-Less Than 400 Degrees F. End-Point. A naphtha with an end point of less than 400 degrees F. that is intended for use as a petrochemical feedstock.

Other Oils-Over 400 Degrees F. End-Point. Oils with an end point over 400 degrees F. that is intended for use as a petrochemical feedstock.

Petroleum Coke. A residue, the final product of the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion factor is 5 barrels of 42 U.S. gallons per short ton.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This "green" coke may be sold as is or further purified by calcining.

Catalyst Coke. In many catalytic operations (i.e., catalytic cracking) carbon is deposited on the catalyst thus, deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refinery process. This carbon or coke is not recoverable in a concentrated form.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, naphtha less than 400 F. end-point, other oils-over 400 F. end-point, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Petroleum Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and alcohol.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Primary Stocks. Stocks of crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tankfarms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in transit from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks excludes stocks of foreign origin that are held in bonded warehouse storage.

Propane. A normally gaseous straight-chain hydrocarbon, (C₃H₈). It is a colorless paraffinic gas that boils at a temperature of -43.67 degrees F. It is extracted from natural gas or refinery gas streams. It includes all products covered by Gas Processors Association Specifications for commercial propane and HD-5 propane and ASTM Specification D1835.

Propylene. An olefinic hydrocarbon, (C₃H₆), recovered from refinery processes or petrochemical processes.

Residual Fuel Oil. The topped crude of refinery operations which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO Symbol F-77), and Bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes. Imports of residual fuel oil include "Imported Crude Oil Burned as Fuel."

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Special Naphthas. All finished products within the gasoline range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point and have a boiling range of 90 degrees to 220 degrees F. "Special naphthas" includes all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gas produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is reported for petrochemical feedstock use and/or refinery fuel use.

Petrochemical Feedstock Use. Includes all refinery streams which are used by chemical or rubber manufacturing operations for further processing, less the amount of such streams returned to the source refinery. Finished petrochemical products are not included. For example, polyethylene, butadiene, etc. are considered petrochemical products; therefore, only their feedstock equivalents are included.

Fuel Use. All other still gas.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking is used to increase the yield of gasoline obtainable from crude oil.

Unfinished Oils. Includes all oils requiring further processing, except those requiring only mechanical blending.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid-being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy vacuum-still bottoms produced on the primary distillation unit are cracked to increase production of distillate products.

Wax. A solid or semi-solid material derived from petroleum distillates or residues by such treatments as chilling, precipitating with a solvent, or de-oiling. It is light-colored, more-or-less translucent crystalline mass, slightly greasy to the touch, consisting of a mixture of solid hydrocarbons in which the paraffin series pre-

dominates. Includes all marketable wax whether crude scale or fully refined. The three grades included are microcrystalline, crystalline-fully refined, and crystalline-other. The conversion factor is 280 pounds per 42-U.S. gallon barrel.

Microcrystalline Wax. Wax extracted from certain petroleum residues having a finer and less apparent crystalline structure than paraffin wax and having the following physical characteristics:

Penetration at 77 degrees F. (D1321)-60 maximum. Viscosity at 210 degrees F. in Saybolt Universal Seconds (SUS). (D88)-60 SUS (10.22 centistokes) minimum to 150 SUS (31.8 centistokes) maximum. Oil content (D721)-5 percent minimum.

Crystalline-Fully Refined Wax. A light-colored paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.5 percent maximum. Other +20 color, Saybolt minimum.

Crystalline-Other Wax. A paraffin wax having the following characteristics:

Viscosity at 210 degrees F. (D88)-59.9 SUS (10.18 centistokes) maximum. Oil Content (D721)-0.51 percent minimum to 15 percent maximum.

Western Hemisphere. That half of the earth that includes North and South America and adjacent islands.

Bureau of Mines Refining Districts and Petroleum Administration for Defense Districts

The following are the Bureau of Mines Refining districts which make up the Petroleum Administration for Defense (PAD) districts:

PAD District I

East Coast: District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung and counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian #1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

PAD District II

Appalachian #2: The following counties of the State of Ohio: Erie, Huron, Crawford, Marion, Delaware, Franklin, Pickaway, Ross, Pike, Scioto, and all counties east thereof.

Indiana—Illinois—Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and that part of the State of Ohio not included in the Appalachian District.

Minnesota—Wisconsin—North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma—Kansas—Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

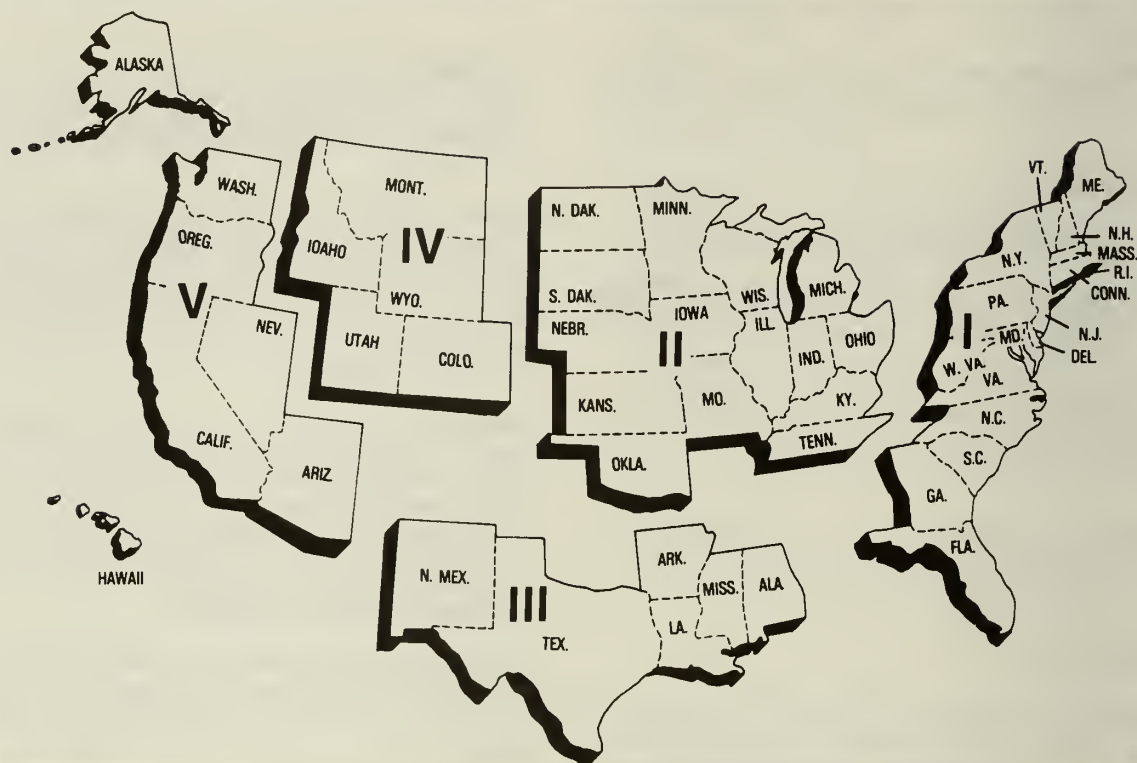
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

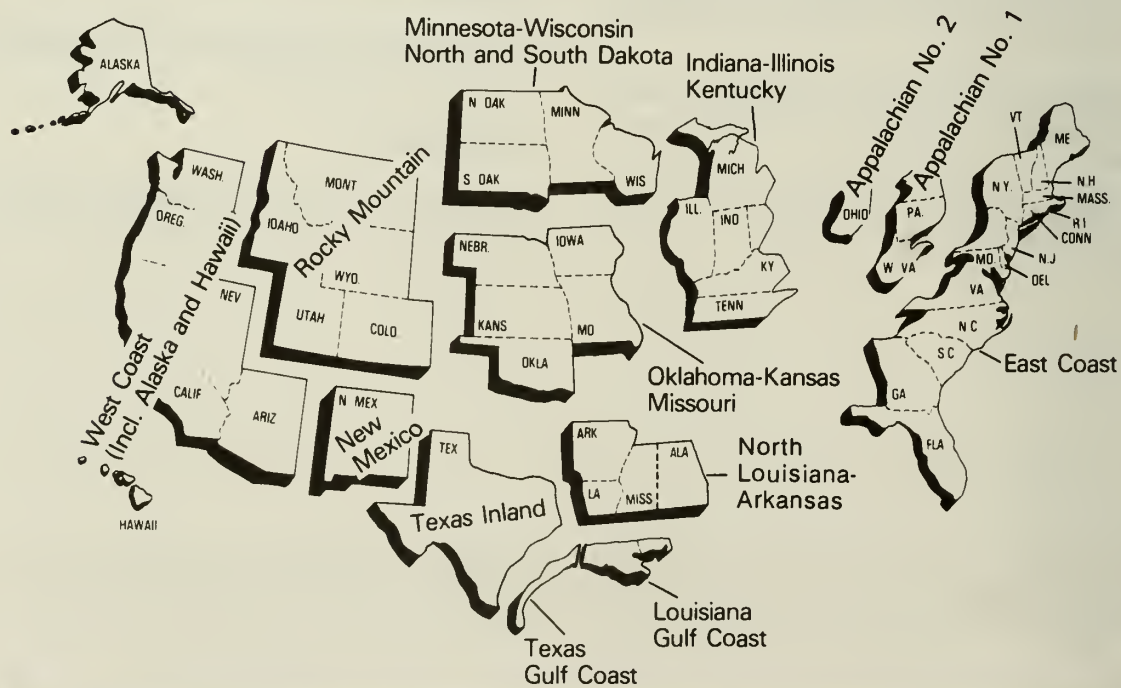
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Bureau of Mines Refining Districts



District Map Oil and Gas Division Railroad Commission of Texas



Explanatory Notes



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Explanatory Notes

Note 1: Data Collection Methodology

Background

Beginning in January 1983, the Energy Information Administration (EIA) unified its petroleum supply data collection activities into the Petroleum Supply Reporting System (PSRS). The PSRS represents a family of data collection survey forms, data processing systems and publication systems that have been consolidated to achieve comparability and consistency throughout. The survey forms that comprise the PSRS are:

| Form Number | Name |
|-------------|--|
| EIA-800 | Weekly Refinery Report |
| EIA-801 | Weekly Bulk Terminal Report |
| EIA-802 | Weekly Product Pipeline Report |
| EIA-803 | Weekly Crude Oil Stocks Report |
| EIA-804 | Weekly Imports Report |
| EIA-805 | Weekly Shipments from Puerto Rico to the United States Report |
| EIA-810 | Monthly Refinery Report |
| EIA-811 | Monthly Bulk Terminal Report |
| EIA-812 | Monthly Product Pipeline Report |
| EIA-813 | Monthly Crude Oil Report |
| EIA-814 | Monthly Imports Report |
| EIA-815 | Monthly Shipments from Puerto Rico to the United States Report |
| EIA-816 | Monthly Natural Gas Liquids Report |
| EIA-817 | Monthly Tanker and Barge Movement Report |
| EIA-820 | Annual Refinery Report |

Forms EIA-800 through 805 comprise the Weekly Petroleum Supply Reporting System (WPSRS). This system is designed to collect weekly data on basic refinery operations and on crude oil and major petroleum products stocks and imports. Data from the WPSRS are published in the *Weekly Petroleum Status Report (WPSR)* and are also used to calculate the preliminary statistics in the "Summary Statistics" section of the *Petroleum Supply Monthly (PSM)*. A description of the WPSRS survey forms follows in Explanatory Note 1.1.

Forms EIA-810 through 817 comprise the Monthly Petroleum Supply Reporting System (MPSRS). These surveys collect detailed refinery and natural gas plant operations data; refinery, bulk terminal, natural gas plant, and pipeline stocks data; crude oil and petroleum product imports data; and data on movements of petroleum products and crude oil between Petroleum Administration for Defense (PAD) Districts. These surveys are the primary source of data for the "Summary Statistics" and "Detailed Statistics" sections of the *PSM*. A description of MPSRS survey forms follows in Explanatory Note 1.2.

Data are also obtained on magnetic tape from the Bureau of the Census on a monthly basis. These tapes

contain aggregated import and export statistics that are used in the preparation of the *PSM*. A description of the Census data follows in Explanatory Note 1.3.

Natural Gas Liquids Reporting Changes

Beginning in January 1984, a number of changes in the reporting of natural gas liquids (NGL) were implemented. The modified system reflects supply and disposition of NGL on a component, rather than product, basis.

From 1979 to 1983, the EIA collected and reported information on the supply and disposition of nine NGL products. Beginning with January 1984, NGL supply and disposition data were reported on a five component basis (See table below) to be consistent with recordkeeping practices used by the industry.

Product Basis vs. Component Basis Reporting

| | 1984 Component Basis | | | | |
|------------------------------------|----------------------|------------|------------------|--------------|------------------|
| | 1. Ethane | 2. Propane | 3. Normal Butane | 4. Isobutane | 5. Pentanes Plus |
| 1979-1983 Product Basis | | | | | |
| 1. Ethane | ● | | | | |
| 2. Ethane-Propane Mixtures | ● | ● | | | |
| 3. Propane | | ● | | | |
| 4. Butane-Propane Mixtures | | ● | ● | | |
| 5. Butane | | | ● | | |
| 6. Isobutane | | | | ● | |
| 7. Unfractionated Stream | ● | ● | ● | ● | ● |
| 8. Natural Gasoline and Isopentane | | | | | ● |
| 9. Plant Condensate | | | | | ● |

Four PSRS surveys were modified beginning in January 1984. They were:

- EIA-810 Monthly Refinery Report
- EIA-811 Monthly Bulk Terminal Report
- EIA-812 Monthly Product Pipeline Report
- EIA-816 Monthly Natural Gas Liquids Report

A fifth survey, the Form EIA-814, *Monthly Imports Report* (formerly Form ERA-60) was not modified. Adjustments are applied to NGL imports data to make them consistent with the revised reporting system (See Explanatory Note 13).

Note 1.1 Weekly Petroleum Supply Reporting System (WPSRS)

Background

The EIA first began publishing weekly petroleum supply statistics in April 1979 using data from an external source. Estimates from the EIA's weekly sample surveys (inaugurated in April 1979) replaced the estimates from the external source for all but the imports series in January 1980, and replaced the imports estimates in June 1980.

The weekly surveys collect data comparable to those collected on a monthly basis. Selected petroleum companies report weekly data to the EIA on crude oil and petroleum product stocks, refinery inputs and production, and crude oil and petroleum product imports. On Forms EIA-800 through EIA-803, companies report data on a custody basis. On the Form EIA-804, the importer of record reports all shipments entering the United States. On Form EIA-805, the company shipping unfinished oils and finished petroleum products to the United States from Puerto Rico reports these shipments. Current weekly data and the most recent monthly data are used to estimate the totals that are published in the *Weekly Petroleum Status Report*.

Sample Frame

The sample of companies that report weekly is selected from the universe of companies that report on the comparable monthly surveys. Sampled companies report data only for facilities in the 50 States and District of Columbia.

The sample for each survey is taken from the following universe:

EIA-800: Based on the EIA-810 universe which includes all petroleum refineries and blending plants located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Hawaiian Foreign Trade Zone, and Guam. The selected sample size is 157.

EIA-801: Based on the EIA-811 universe which includes every bulk terminal operating in the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands. A bulk terminal is primarily used for storage and/or marketing of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. The selected sample size is 81.

EIA-802: Based on the EIA-812 universe which includes all product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States, and the District of Columbia. The selected sample size is 47.

EIA-803: Based on the EIA-813 universe which includes companies that carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines) crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. The selected sample size 87.

EIA-804: Based on the EIA-814 universe which covers each company, including subsidiary or affiliated companies, that import crude oil, unfinished oils, and finished petroleum products into the United States and Puerto Rico. The selected sample size is 66.

EIA-805: Based on the EIA-815 universe which covers each company, including subsidiary or affiliated companies, that ship unfinished oils, and finished petroleum products to the United States from Puerto Rico. The selected sample size is three.

Sampling Method

The sampling procedure used for the weekly system is the cut-off method. In the cut-off method, companies are ranked from largest to smallest on the basis of the quantities reported during some previous period. Companies are chosen for the sample beginning with the largest and adding companies until the total sample covers about 90 percent of the total for each item and each geographic region for which weekly data are published. The EIA-805 is a census of all companies shipping petroleum products from Puerto Rico to the United States.

Collection Methods

Data are collected by mail, mailgram, telephone, Telex, and Telefax on a weekly basis. The report period begins and ends each Friday at 7 a.m. All canvassed firms must file reports by 5 p.m. on the following Monday.

Estimation and Imputation

After company reports have been checked and entered into the weekly data base, weekly totals for given products are estimated by using the following formula.

The total reported by all companies for the most recent month (M_t) is divided by the amount reported by the sample of companies for the most recent month (M_s). The result is multiplied by the amount reported by the sample of companies for the current week (W_s). The answer, W_t , is an estimate of the amount that would have been reported by all companies for the current week if all companies reported each week.

$$W_t = \frac{M_t}{M_s} (W_s)$$

This procedure is used to estimate total weekly refinery inputs and production.

To estimate stocks of finished products, the preceding procedure is followed separately for refineries, bulk terminals, and pipelines. Total estimates are formed by summing over establishment types.

Weekly imports data are highly variable on a company-by-company basis or a week-by-week basis. Therefore, an exponentially smoothed ratio has been developed. The estimate of weekly imports is the sum of the smoothed ratios multiplied by the weekly values and estimates for shipments from Puerto Rico. Imports of other oils includes an adjustment from Census data for selected products because of coverage differences between the monthly imports data and Census data.

Explicit imputation is done for companies which do not respond in a given week. The imputed values are exponentially smoothed means of recent reports from the specific company.

Response Rates

The response rate for the published estimates is usually between 97 and 100 percent of the sampled respondents.

Note 1.2: Monthly Petroleum Supply Reporting System (MPSRS)

Background

The MPSRS was implemented in January 1983 as the result of an extensive effort to integrate the collection and processing of petroleum supply data that have been collected on other survey forms for many years. The collection of monthly petroleum supply statistics began as early as 1918 when the Bureau of Mines (BOM) began collecting data on refinery operations and crude oil stocks and movements. The collection systems were further expanded to include natural gas plant liquids production and storage in 1925, imports of crude oil and petroleum products and storage and movement of petroleum products in 1959, and tanker and barge movements of crude oil and petroleum products in 1964. Since their inception, each survey has undergone numerous changes, but the MPSRS is the first effort to make them all consistent and comparable.

Respondent Frame

EIA-810: All petroleum refineries and blending plants located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Hawaiian Foreign Trade Zone, and Guam. Approximately 260 respondents report on the EIA-810.

EIA-811: Every bulk terminal operating in the 50 States, the District of Columbia, Puerto Rico, and the

Virgin Islands. A bulk terminal is primarily used for storage and/or marketing of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included. Approximately 320 respondents report on the EIA-811.

EIA-812: All product pipeline companies that carry petroleum products (including interstate, intrastate, and intracompany pipelines) in the 50 States, and the District of Columbia. Approximately 90 respondents report on the EIA-812.

EIA-813: All companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intracompany pipelines), crude oil producers, terminal operators, storers of crude oil, and companies transporting Alaskan crude oil by water in the 50 States and the District of Columbia. Approximately 180 respondents report on the EIA-813.

EIA-814: All companies, including subsidiary or affiliated companies, that import crude oil, unfinished oils, and finished petroleum products into the United States and Puerto Rico. Approximately 1,500 respondents report on the EIA-814.

EIA-815: All companies, including subsidiary or affiliated companies, that ship unfinished oils and finished petroleum products to the United States from Puerto Rico. There are three respondents on the EIA-815.

EIA-816: All facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator). Approximately 1,050 respondents report on the EIA-816.

EIA-817: All companies that have custody of crude oil or petroleum products transported by tanker or barge between PAD Districts or between the Panama Canal and the United States.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company owned tanker or barge. Also, companies which lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts or between the Panama Canal and the United States are considered to have custody. Approximately 50 respondents report on the EIA-817.

EIA utilizes a number of sources and methods to maintain the survey respondent lists. On a regular basis, survey managers review industry publications such as the *Oil and Gas Journal* and *Oil Daily* for information on facilities or companies starting up or closing down operations. These sources are augmented by articles in newspapers, letters from respondents indicating changes in status and information received from survey systems operated by other offices.

Every three years an extensive survey is conducted to completely refresh the frames. This involves consolidating information from every known source including State agencies, Federal agencies (e.g., EPA, Corps of Engineers, Census Bureau, etc.), and private industry directories. The effort also includes the evaluation of the impact of potential frame changes on the historical time series of data published from these respondents. The results of this frame study are usually implemented in January to provide a full year under the same frame.

Collection Methods

The data for all of the MPSRS surveys are collected monthly. Completed forms are required to be postmarked by the 20th calendar day following the end of the report month, with the exception of the EIA-814 and EIA-815 which are due 15 work days following the end of the report month. Telephone follow-up calls are made to nonrespondents prior to the publication deadline, for their data. An automated mailing list is maintained and is used to monitor receipt of the forms.

Imputing Missing Data

Imputation is performed for companies that do not respond to EIA Forms 810-813 and 816. For such companies, previous monthly values are used for current values. The previous month's ending stocks value is used for both the current month's beginning stocks and the current month's ending stocks. Data for nonrespondents on the EIA-814, 815, and 817 are not imputed.

Response Rate

The response rate is generally 99 to 100 percent by the time the data are first published. Nonrespondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the FEA Act.

Note 1.3: Census Import (IM-145) and Export (EM-522 and EM-594) Data

Background

Each month the EIA purchases magnetic tapes of aggregated import and export statistics from the Bureau of the Census. These data tapes are the only source of export statistics and are used to augment the import data collected by the EIA.

Import Statistics (IM-145)

Coverage

Census import statistics used in the *PSM* reflect both government and nongovernment imports of merchandise from foreign countries and U.S. possessions into

the United States (the 50 States and the District of Columbia), without regard to whether or not a commercial transaction is involved. The following types of transactions are excluded from the statistics.

1. Merchandise in-transit through the United States, when documented with Customs as an in-transit movement.
2. U.S. merchandise that was held in foreign countries by the U.S. Armed Forces and is returned to the United States for the use of the Armed Forces.

Source of Import Information

The official U.S. import statistics are compiled by the Bureau of the Census from copies of the import entry and warehouse withdrawal forms that importers are required by law to file with Customs officials (Customs Forms 7501, 7505, and 7506).

Country and Area of Origin

The country reported in the statistics as the country of origin is defined as the country where the merchandise was grown, mined, or manufactured. In instances where the country of origin cannot be determined, the transactions are credited to the country of shipment.

Export Statistics (EM-522 and EM-594)

Census export statistics used in the *PSM* reflect both government and nongovernment exports of domestic and foreign merchandise from the United States (the 50 States, and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

1. Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
2. Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

Source of Export Information

The official U.S. export statistics are compiled by the Bureau of the Census. Exporters are required to file export documents with Custom's officials.

Country and Area of Destination

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If

the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

Note 2: Supply

The components of petroleum supply are field production, refinery production, imports, and stock withdrawal or addition:

Field Production is the sum of crude oil production (including lease condensate), natural gas processing plant production, and new supply (field production) of other liquids used by refineries.

Crude oil production is estimated based on data received from State conservation and revenue agencies. For further explanation, see Explanatory Note 3.

Field production of natural gas plant liquids (NGPL), including finished petroleum products, is reported monthly on survey Form EIA-816, *Monthly Natural Gas Liquids Report*. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. For survey description and other detail, see Explanatory Note 1.2.

Refinery Production of petroleum products is reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published production of these products equals refinery production minus refinery input. Refinery production of unfinished oils and of motor and aviation gasoline blending components appears on a net basis under refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

Imports of crude oil and petroleum products are reported monthly on Form EIA-814, *Monthly Imports Report*, and Form EIA-815, *Monthly Shipments from Puerto Rico to the United States Report*. In addition, imports of NGL's are obtained from the Census Bureau Tabulation IM-145. The Census Bureau Tabulation IM-145 summarizes import data from Customs import declarations reported on Customs Forms 7501, 7505, and 7506. Additional data taken from the IM-145 are relatively small quantities of naphtha-type and kerosene-type jet fuels, distillate fuel oils, and residual fuel oils withdrawn from bonded storage for use in international trade. Even though these duty-free fuels are stored on United States shores, they did not enter the United States for domestic consumption and therefore are not included in the Form EIA-814 reporting system.

Stock Withdrawal (+) or Addition (-) is calculated by subtracting stocks at the end of the month from stocks at the beginning of the same month. (Note: The beginning stocks of one month are equal to the ending

stocks of the previous month.) A positive result (+) would represent a withdrawal from stocks. A negative result (-) would represent a buildup of stocks. For a description of survey forms used to make stock withdrawal or addition calculations see Explanatory Note 5.

Unaccounted-for Crude Oil is a balancing item that represents the difference between crude oil supply and disposition. Crude oil supply is the sum of field production, imports, and stock withdrawals. Crude oil disposition is the sum of exports, refinery input, losses, stock additions, and product supplied. Unaccounted-for crude oil is calculated by subtracting crude oil supply from crude oil disposition. A positive result indicates that refiners and exporters reported use of more crude oil than was reported to have been available to them. (This occurs, for example, when imports are undercounted due to late reporting or other problems.) A negative result would indicate that more crude oil was reported to have been supplied to refiners and exporters than they reported used.

Note 3: Domestic Crude Oil Production

Data for the Crude Oil Production System (COPS) are reported to the Department of Energy by State conservation agencies. Data on the volume of oil produced on Federally-owned offshore leases are reported by the Minerals Management Service, U.S. Department of the Interior. All except eight of the producing States report data monthly. These States are Arkansas, Missouri, New York, Ohio, Pennsylvania, Utah, Virginia, and Wyoming. Estimates of monthly production for these States are made using methodologies explained in the next two paragraphs. After the end of each calendar year, the monthly numbers are updated using the annual reports of the State conservation agencies and the Minerals Management Service.

The individual State level estimates are either exponential curve fitted projections based on recent data or are constant level projections based on the average production rate during a recent time period. In some cases, adjustments are made to these estimates based on additional information on expected changes in production rates supplied by State agencies, trade associations, or individual field operators.

There is a time lag of approximately 4 months between the end of the reporting month and the time when the monthly COPS information becomes available. Table 11 of this publication provides information on crude oil production for the most recent month for which COPS values are available. In order to present more timely crude oil production values, the EIA's Dallas Field Office prepares a series of State level estimates which are based on historical production patterns and are summed to obtain the monthly crude oil production values shown in the summary statistics of this publication.

Note 4: Disposition

The components of petroleum disposition are crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Crude Oil Losses is the sum of crude oil losses at refineries, reported for all refineries on Form EIA-810, *Monthly Refinery Report*.

Refinery Inputs of crude oil, natural gas plant liquids, and other liquids are reported monthly on survey Form EIA-810, *Monthly Refinery Report*. Published inputs of unfinished oils and of motor and aviation gasoline blending components equal refinery input minus refinery output. Refinery inputs of finished petroleum products are reported on a net basis under refinery production.

Exports of crude oil and petroleum products are compiled from Census Bureau tabulations EM-522 and EM-594. Exports include crude oil shipments to Puerto Rico, the Virgin Islands, and the Hawaiian Foreign Trade Zone, which are obtained from refinery receipts reported on Form EIA-810, by refineries located in these places.

Product Supplied for each product is calculated by summing field production plus refinery production, plus imports, plus stock withdrawal or minus stock addition, minus crude oil losses (plus net receipts when calculated on a PAD District basis), minus refinery input, minus exports. This formula ensures that total disposition equals total supply.

Product supplied indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of that product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of interdistrict movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production net having been reported, e.g., streams returned to refineries from petrochemical plants.

Product supplied for crude oil is the sum of crude oil burned on leases and by pipelines as fuel oil. These data are reported on Form EIA-813, *Monthly Crude Oil Report*. Prior to January 1983, crude oil burned on leases and by pipelines as fuel oil were reported as either distillate or residual fuel oil and included in product supplied for these products.

Note 5: Stocks

Primary stocks of crude oil are the sum of ending stocks reported monthly on Form EIA-810, *Monthly Re-*

finery Report, and on Form EIA-813, *Monthly Crude Oil Report*. Crude oil held in the Strategic Petroleum Reserve is included unless otherwise noted. Alaskan crude oil in transit is also included. Primary stocks of petroleum products are summed from data reported on Form EIA-816, *Monthly Natural Gas Liquids Report*, Form EIA-810, *Monthly Refinery Report*, Form EIA-811, *Monthly Bulk Terminal Report*, and on Form EIA-812, *Monthly Product Pipeline Report*. Primary stocks of petroleum products do not include either secondary stocks held by dealers and jobbers or tertiary stocks held by consumers. For survey descriptions and other details, see Explanatory Note 1.2.

Note 6: Average Stock Levels

The national inventory (stocks) graphs for total petroleum products, crude oil, motor gasoline, distillate fuel oil, residual oil, and liquefied petroleum gases, in this publication include features to assist in comparing current inventory levels with past inventory levels and minimum operating levels are described below.

The graphs displaying inventory levels of crude oil and petroleum products, crude oil, motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases, provide the reader with actual inventory data compared to an *average range* from the most recent 3-year period running from January through December or from July through June. The ranges are updated every six months in April and October. The 3-year period is adjusted by dropping the oldest 6 months and including the most recent 6 months. The ranges also reflect seasonal variation determined from a longer time period. The seasonal factors, which determine the shape of the upper and lower curves, are updated annually in October, using the most recent year's final monthly data.

The monthly seasonal factors are estimated by means of a seasonal adjustment technique developed at the Bureau of the Census (Census X-11). The seasonal factors are assumed to be stable (i.e., unchanging from year to year) and additive (i.e., the series is deseasonalized by subtracting the seasonal factor for the appropriate month from the report inventory levels). The intent of deseasonalization is to remove only annual variation from the data. Thus, a deseasonalized series would contain the same trends, cyclical components, and irregularities as the original data. The seasonal factors for distillate fuel oil, residual fuel oil, and liquefied petroleum gases, were derived using monthly data from 1977-1983. In 1977, monthly stock levels of motor gasoline stayed at the same high level for the entire year. Since there was virtually no seasonal behavior in motor gasoline stocks that year, data for 1978-1983 were used in the determination of seasonal patterns for motor gasoline stocks.

After seasonal factors are derived, data from the most recent 3-year period (January-December or July-June) are deseasonalized. The average of the deseasonalized 36-month series determines the midpoint of the deseasonalized average band. The standard deviation of the

deseasonalized 36-months is calculated adjusting for extreme data points. The upper curve of the *average range* is defined as the average plus the seasonal factors plus the standard deviation. The lower curve is defined as the average plus the seasonal factors minus the standard deviation. Thus, the width of the *average range* is twice the standard deviation.

Note 7: Movements

Movements of crude oil between PAD Districts are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and on Form EIA-813, *Monthly Crude Oil Report*. Petroleum product movements are reported on Form EIA-817, *Monthly Tanker and Barge Movement Report*, and EIA-812, *Monthly Product Pipeline Report*. Net receipts is the difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge. For survey descriptions and other detail, see Explanatory Note 1.2.

Note 8: Preliminary Monthly Statistics

Weekly data (Forms EIA-800, 801, 802, 803, 804, and 805) are used to estimate the most recent monthly values for the "Summary Statistics" section. Since some of the weekly reporting periods overlap two adjacent months, it is necessary to use weighting factors in the calculation of the monthly values.

To estimate crude oil and petroleum product imports, crude oil input to refineries and production of petroleum products for a specific month, the weekly estimates are weighted by the number of days of that month included in each week, then summed.

End-of-month stock levels of crude oil and the major products (motor gasoline, distillate fuel oil, and residual fuel oil) are calculated in a similar manner, but use only the two weekly reporting periods that cover the end-of-week stocks before and after the end of the month. The end-of-month stock level is calculated by first calculating the stock change between the two weeks. The daily stock change between the two end-of-week stock levels is then calculated. This number is multiplied by the weighting factor of the earlier of the two weeks (the week that covers the last day of the month of interest). This change is added to the earlier of the two end-of-week stock levels to estimate the end-of-month stock level. Preliminary monthly estimates of domestic crude oil production are calculated as described in Explanatory Note 3.

Note 9: Notes on Tables

Note 9.1 Crude Oil and Petroleum Products Overview statistics on the referenced line appear in Table 4 of the "Detailed Statistics," except where noted.

- Crude Oil and Petroleum Products Stock Withdrawal (+) or Addition (-), Petroleum Products Supplied, To-

tal Imports, Crude Oil Imports, Total Exports, and Crude Oil Exports appear as labeled in Table 4. Total Production and Crude Oil Production appear under Field Production in Table 4.

- Natural Gas Plant Production is the sum of Natural Gas Liquids and Finished Petroleum Products Field Production in Table 4.

- Petroleum Products Imports is the sum of Natural Gas Liquids and LRGs, Other Liquids, and Finished Petroleum Products Imports in Table 4.

- Total Crude Oil and Petroleum Products Ending Stocks appear in thousand barrels in Table 2.

Note 9.2 Crude Oil Supply and Disposition statistics on referenced line appear in Table 1 of the "Detailed Statistics," except where noted.

- Total Domestic Field Production, Alaskan Field Production, SPR Imports, Other Imports (synonymous with Gross Imports Excl. SPR) SPR and Other Primary Stocks Withdrawal (+) or Addition (-), Unaccounted for Crude Oil, Refinery Inputs, and Exports appear as labeled in Table 1.

- Crude Losses and Product Supplied appear as labeled in Table 4.

- SPR Ending Stocks and Other Primary Ending Stocks (synonymous with stocks excluding SPR) appear in thousand barrels in Table 1.

- Total Crude Oil Ending Stocks appear in thousand barrels in Table 2.

- Total Imports appear in Table 4.

Note 9.3 Finished Motor Gasoline Supply and Disposition statistics on the referenced line appear in Table 4 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports and Product Supplied appear as labeled in Table 4.

- Unleaded Percent of Total Product Supplied represents the ratio of finished unleaded motor gasoline product supplied to total finished motor gasoline product supplied, multiplied by 100 and rounded to the nearest tenth.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.4 Distillate and Residual Fuel Oil Supply and Disposition statistics on the referenced lines appear in Table 4 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Exports, and Product Supplied appear as labeled in Table 4.

- Ending stocks appear in thousand barrels in Table 2.

Note 9.5 Liquefied Petroleum Gases Supply and Disposition statistics represent the aggregation of statistics on ethane, ethylene, propane, propylene, butane, butylene, and isobutane. The statistics on the reference line appear in Table 4 of the "Detailed Statistics," except where noted.

- Total Production is the sum of Field Production and Refinery Production in Table 4.

- Imports, Stocks Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied appear as labeled in Table 4.

- Ending stocks appear in thousand barrels in Table 2.

Note 9.6 Other Petroleum Products Supply and Disposition statistics represent the aggregation of statistics on pentanes plus, other liquids, and all finished petroleum products except finished motor gasoline, distillate fuel oil, residual fuel oil, and liquefied petroleum gases. The statistics on the referenced line are aggregated from Table 4 of the "Detailed Statistics," except where noted.

- Total production is the aggregated sum of Field Production and Refinery Production in Table 4.

- Imports, Stock Withdrawal (+) or Addition (-), Refinery Inputs, Exports, and Product Supplied are aggregated from Table 4.

- Ending stocks are aggregated from ending stocks in thousand barrels in Table 2.

Note 9.7 Table 1. U.S. Petroleum Balance

- Lines (1) through (3): Crude oil (including lease condensate) production for *Alaska, Lower 48 States*, and *Total U.S.* are calculated by calling the conservation agency in Alaska for Alaskan crude oil production during the month, estimating crude oil production in the United States (see Explanatory Note 3), and taking the difference to equal production in the Lower 48 States.

- Line (5): SPR *Imports* are reported on survey Form EIA-814.

- Line (12): *Total Other Sources* equals crude oil stock withdrawal (+) or addition (-) plus unaccounted for crude oil minus crude oil losses minus crude oil product supplied in Table 2.

- Line (14): Natural Gas Plant Liquids (NGPL) *Field Production* equals Field production of natural gas

liquids (NGL) plus field production of finished petroleum products in Table 2.

- Line (15): NGPL Net *Imports* equals the sum of the imports of pentanes plus minus the exports of pentanes plus in Table 2.

- Line (16): NGPL *Stock Withdrawal (+) or Addition (-)* is equal to the stock withdrawal (+) or addition (-) of pentanes plus in Table 2.

- Line (17) equals the sum of lines (14), (15), and (16).

- Line (18): Other liquids *Stock Withdrawal (+) or Addition (-)* equals the aggregate stock withdrawal (+) or addition (-) for other hydrocarbons and alcohol, unfinished oils, motor gasoline blending components, and aviation gasoline blending components in Table 2.

- Line (20): *Other Hydrocarbons and Alcohol New Supply* equals the field production of same in Table 2.

- Line (21): *Refinery Processing Gain* is a balancing item equal to total refinery production minus total refinery input in Table 2.

- Line (23): *Total Other Liquids* equals the sum of lines (18) through (22).

- Line (24): *Total Production of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus field production of other liquids; plus total refinery production; minus total refinery input; plus crude oil product supplied in Table 2.

- Line (25): *Gross Imports of Refined Products* equals imports of LPG plus imports of finished petroleum products in Table 2.

- Line (26): *Exports of Refined Products* equals exports of LPG plus exports of finished petroleum products in Table 2.

- Line (27): *Net Imports of Refined Products* equals the difference between lines (25) and (26).

- Line (28) *Total New Supply of Products* equals crude oil input to refineries plus field production of natural gas liquids and LRG and finished petroleum products; plus imports of pentanes plus; plus stock withdrawal (+) or addition (-) of pentanes plus; plus stock withdrawal (+) or addition (-) of other liquids; plus imports of other liquids; plus total field production of other liquids; plus total refinery production; minus total refinery input; minus crude oil product supplied plus imports of LPG and finished petroleum products; minus exports of LPG and finished petroleum products in Table 2.

- Line (29): *Refined Products Stocks Withdrawal (+) or Addition (-)* equals the sum of stock withdrawal (+) or

addition (—) for LPG and finished petroleum products in Table 2.

- Line (30): *Total Petroleum Supplied for Domestic Use* equals total products supplied in Table 2.

- Line (31): through (35) equal the respective products supplied in Table 2.

- Line (36): *Other Products Supplied* equals the sum of pentanes plus, aviation gasoline, naphtha-type jet fuel; kerosene-type jet fuel; naphtha <400 Deg. F. for petrochemical feedstock use, other oils >400 Deg. F. for petrochemical feedstock use, special naphthas, lubricants, waxes, petroleum coke, asphalt and road oil, still gas, unfinished oils, motor gasoline blending components, aviation gasoline blending components, and miscellaneous products supplied in Table 2.

- Line (37): *Total Product Supplied* is equal to total products supplied in Table 2.

- The sum of lines (38) and (39), stocks of *Crude Oil and Lease Condensate (Excluding SPR)* and stocks held by the *Strategic Petroleum Reserve*, equals ending stocks of crude oil in Table 2.

- Line (43): Stocks of *Refined Products* equals the sum of liquefied petroleum gases and finished petroleum product stocks in Table 2.

Note 10: New Stock Basis

In January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported and stock withdrawal calculations. Using the expanded coverage (new basis), the end-of-year stocks, in million barrels, would have been:

- Crude Oil: 1982—645 (Total) and 351 (Other Primary).

- Crude Oil and Petroleum Products: 1974—1,121; 1980—1,420; and 1982—1,462.

- Motor Gasoline: 1974—225; 1980—263; 1982—244 (Total) and 203 (Finished).

- Distillate Fuel Oil: 1974—224; 1980—205; and 1982—186.

- Residual Fuel Oil: 1974—75; 1980—91; and 1982—68.

- Liquefied Petroleum Gases: 1974—113; 1980—128; and 1982—103.

- Other Petroleum Products: 1974—220; 1980—249; and 1982—259.

- Stock withdrawal calculations beginning in 1975, 1981, 1983 were made using new basis stock levels.

In January 1984, changes were made in the reporting of natural gas liquids. As a result, unfractionated stream, which was formerly included in "Other Petroleum Products Supply and Disposition" table in the "Summary Statistics," is now reported on a component basis (ethane, propane, normal butane, isobutane, and pentanes plus). Most of these stocks will now appear in the "Liquefied Petroleum Gases Supply and Disposition" table of the "Summary Statistics." This change will affect stocks reported and stock withdrawals in each table. Under the new basis, end-of-year 1983 stocks, in million barrels, would have been:

- Liquefied Petroleum Gases: 1983—108

- Other Petroleum Products: 1983—248

Note 11: Stocks of Alaskan Crude Oil

Stocks of Alaskan crude oil in transit were included for the first time in January 1981. The major impact of this change is on the reporting of stock withdrawal calculations. Using the expanded coverage (new basis), 1980 end-of-year stocks, in million barrels, would have been 488 (Total) and 380 (Other Primary).

Note 12: Changes in Petroleum Industry Reporting

Petroleum statistics contained in this report for all years through 1980 were developed using definitions, concepts, reporting procedures, and aggregation methods that are consistent with those developed by the U.S. Bureau of Mines. Research conducted by the Energy Information Administration in 1979 and 1980 indicated that changes had occurred in the petroleum industry that were not being adequately reflected in EIA's reporting system.

EIA reporting forms, definitions, and procedures were modified beginning in January 1981 to describe industry operations more accurately. Unfortunately, empirical information is not available to precisely measure the data shortcomings through 1980. However, estimates of the magnitudes of differences in the major data series are described below to form a basis for comparing 1979, 1980, and 1981 data.

Motor Gasoline

Prior to 1979, the EIA product-supplied series for motor gasoline was consistently about 2 percent lower than the Federal Highway Administration (FHWA) gasoline-sales data series, which is derived from State tax receipts. The difference increased to about 3 percent in 1979 and 1980. There were two primary causes for this growing difference. First, refinery operations, particularly the flows of unfinished oils and the redesignation of some finished products, were not being accurately described on the EIA survey forms. Second, a large amount of gasoline was being produced away from re-

fineries at "downstream blending stations" to take advantage of provisions in regulations governing the amount of lead that could be added. These blending stations were not reporting gasoline production to the EIA until the data system was changed in January 1981.

Quantitative estimates of the magnitude of the difference in EIA's gasoline product supplied data in 1979 and 1980 have been made by the EIA and the American Petroleum Institute (API). The following table provides 1979 and 1980 data as published in the *Petroleum State-ment Annual*, as well as EIA and API estimates of "re-cast" motor gasoline product supplied.

Finished Motor Gasoline Product Supplied (Thousand Barrels per Day)

| | EIA Reported | API Recast | EIA Recast | FHWA ¹ |
|------------|-----------------|---------------|---------------|-------------------|
| 1979 | 7,034 | 7,302 | 7,183-7,347 | 7,258 |
| 1980 | 6,579 | 6,882 | 6,806-6,889 | 6,792 |

¹FHWA gasoline statistics based on data from Federal Highway Administration. Estimate of Total Gasoline Use. Table MF-21A Published October 1980 and September 1981. Aviation gasoline (Table MF-24) has been subtracted from FHWA product supplied quantities to make data comparable.

EIA recast estimates were based upon preliminary monthly information in the *Monthly Petroleum State-ment*. The ranges displayed in the EIA column reflect uncertainty in the estimates. Also shown are the FHWA motor gasoline sales statistics for those years.

Distillate and Residual Fuel Oil

Distillate and residual fuel oil refinery production statistics through 1980 were adjusted to account for an imbalance between unfinished oil supply and disposition. The reported quantities of refinery inputs of unfinished oils typically exceed the available supply of unfinished oils. It has been assumed that this occurs when distil-late and residual fuel oils produced by a refinery is shipped to another refinery, where it is treated as unfin-ished oil. This oil is then reprocessed rather than used or sold as distillate or residual fuel oil.

For many years (including 1980), the difference be-tween unfinished oil disposition and supply was sub-tracted from distillate and residual fuel oil production to adjust for this discrepancy. Two-thirds of the differ-ence was applied to distillate, and one-third to residual fuel oil.

Beginning in January 1981 this adjustment was discon-tinued because there was not sufficient empirical evi-dence to support it. The following table presents distil-late and residual fuel oil refinery production in 1979 and 1980 as published (adjusted) and on the same basis as 1981 statistics (unadjusted) to permit comparison.

Distillate and Residual Fuel Oil Production and Product Supplied (Thousand Barrels per Day)

| | Adjusted Refinery Production | Unadjusted Refinery Production | Difference | Unadjusted Product Supplied |
|----------------------------|------------------------------------|--------------------------------------|------------|-----------------------------------|
| Distillate Fuel Oil | | | | |
| 1979 | 3,152 | 3,169 | 16 | 3,327 |
| 1980 | 2,661 | 2,764 | 103 | 2,969 |
| Residual Fuel Oil | | | | |
| 1979 | 1,687 | 1,695 | 8 | 2,834 |
| 1980 | 1,580 | 1,634 | 54 | 2,562 |

Adjusted distillate and residual fuel oil product sup-plied volumes differ from the unadjusted volumes by the same amounts as the adjusted and unadjusted pro-duction volumes.

Total Petroleum Products

The imbalance between the supply and disposition of unfinished oils and gasoline blending components is included with other products (line 35) in the U.S. Petro-leum Balance (Table 1). These imbalances are reported as negative product supplied in the Other Liquids sec-tion, Supply and Disposition Statistics (Table 2). Since these changes only involve redistribution of the vol-umes of gasoline, distillate, and residual fuel oil, gaso-line blending components, and unfinished oils, the to-tal volume of petroleum products supplied remains un-affected by them.

Note 13: NGL Import/Export Algorithms

Beginning in January 1984, the Energy Information Ad-ministration (EIA) implemented changes in the report-ing of natural gas liquids (NGL) supply data, moving from a nine-product slate basis to a five-product slate basis that corresponds to industry record-keeping prac-tices. Changes could not be made to the import and ex-port systems. Therefore, in order to allocate imports and exports of mixed NGL streams to individual compo-nent parts, the EIA developed a statistical algorithm.

Imports

The imports algorithm is based on information gathered from the larger importers of NGL, who were asked to provide component analysis of the products they imported during the first six months of 1983. The percentages shown in the table below are derived from the weighted averages of the data provided by the importers.

Exports

The export algorithm is based on information gathered from the larger exporters of NGL, who were asked to provide component analysis of the products they exported during 1983. The percentages shown below are derived from the weighted averages of the data provided by the exporters. It was necessary to derive percentages by Petroleum Administration for Defense (PAD) Districts of exportation, due to the wide variation of components included in the mixed streams.

Algorithm for Allocating NGL Imports/Exports

| | EIA Component State | | | | Pen- tanes Plus |
|---|---------------------|-------------|------------------|----------------|-----------------------|
| | Eth- ane | Pro pane | Normal Butane | Iso- butane | |
| Import Product | | | | | |
| Natural Gasoline and Isopentane (EIA-814) | | | | | 100% |
| Plant Condensate (EIA-814) | | | | | 100% |
| Ethane (IM-145) | 100% | | | | |
| Butane (IM-145) | | | 60% | 40% | |
| Butane-Propane Mixtures (IM- 145) | | 40% | 35% | 20% | 5% |
| Ethane-Propane Mixtures (IM- 145) | 80% | 20% | | | |
| Export Product | | | | | |
| Ethane (All PAD) | 100% | | | | |
| Propane (ALL PAD) | | 100% | | | |
| Butane (All PAD) | | | 100% | | |
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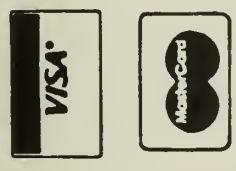
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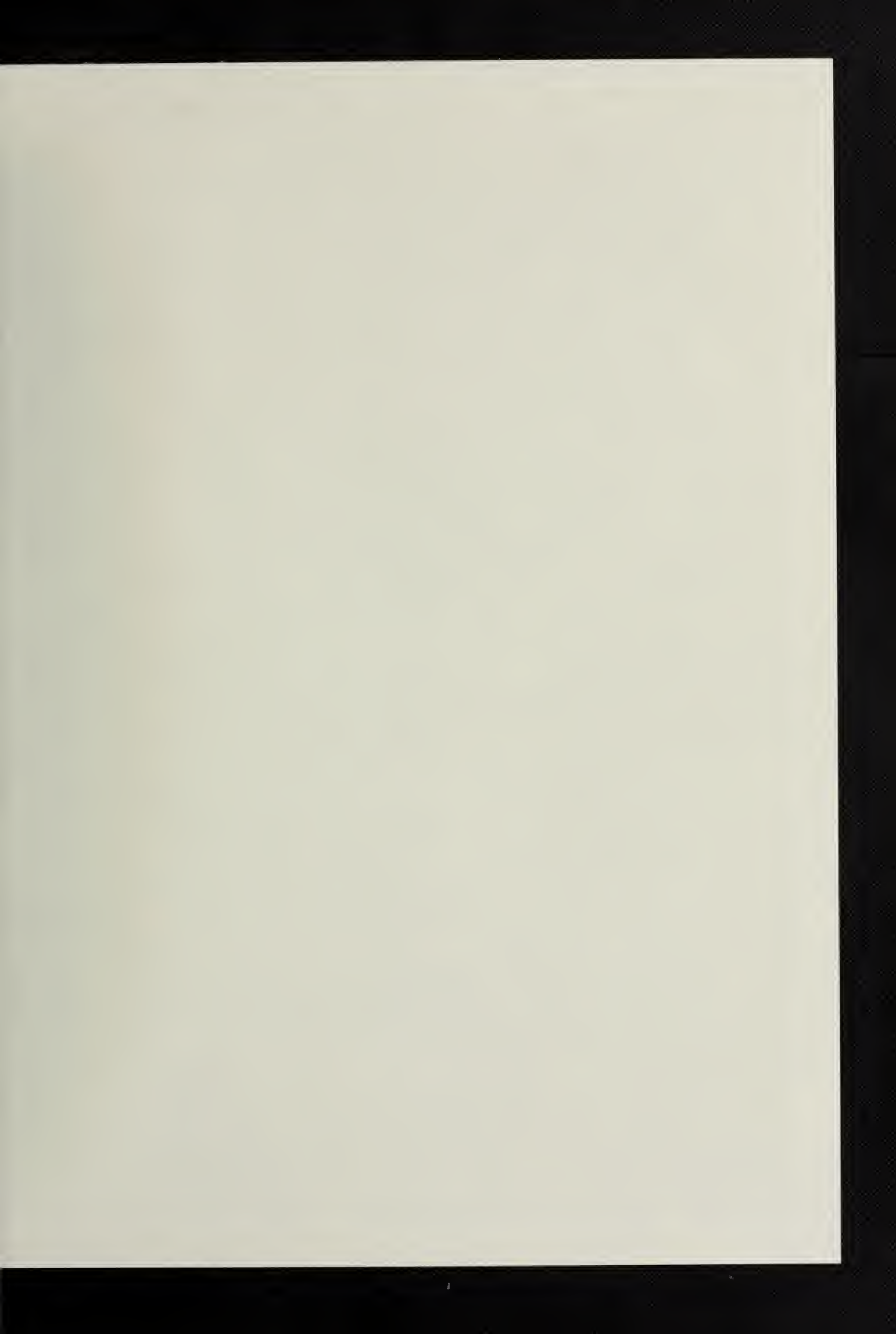
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